

Fig. 1a

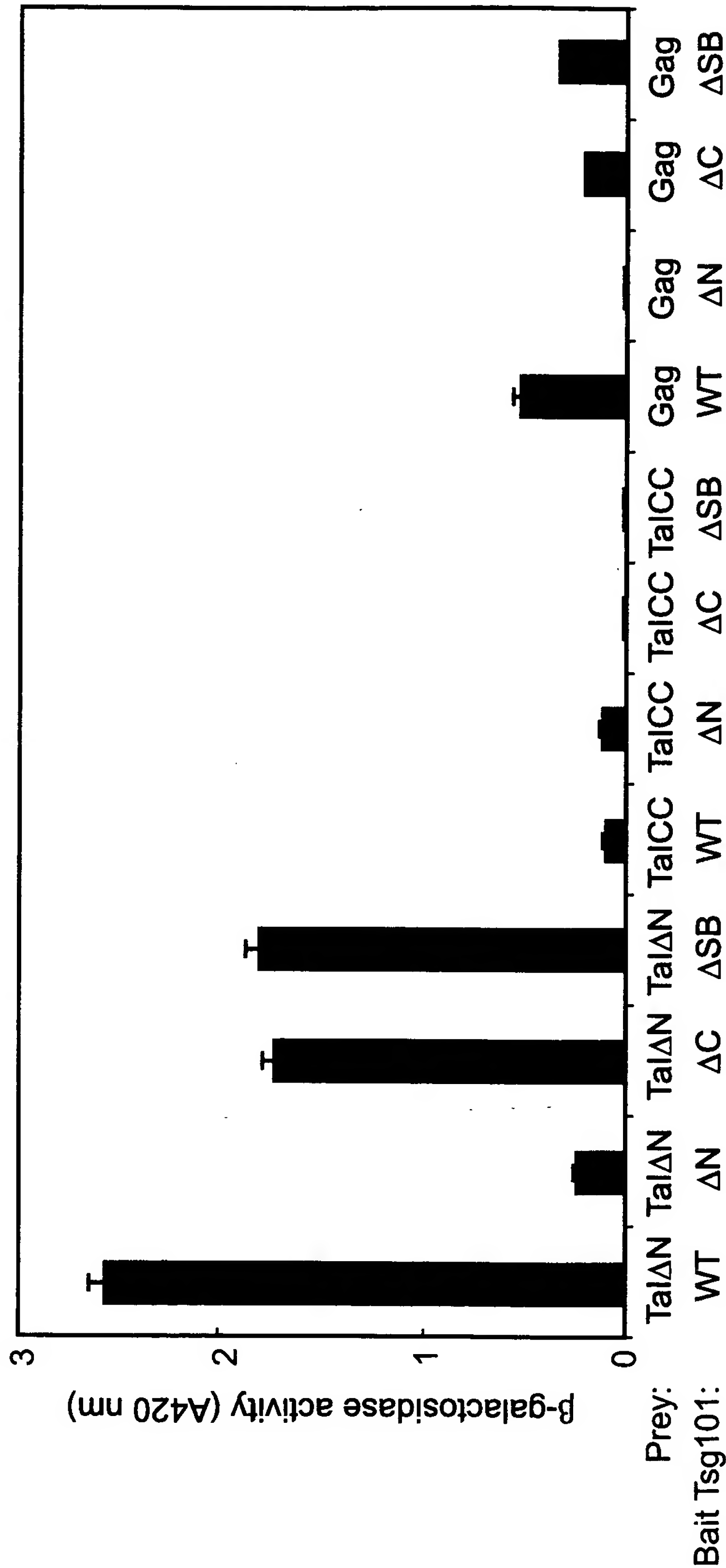


Fig. 1b

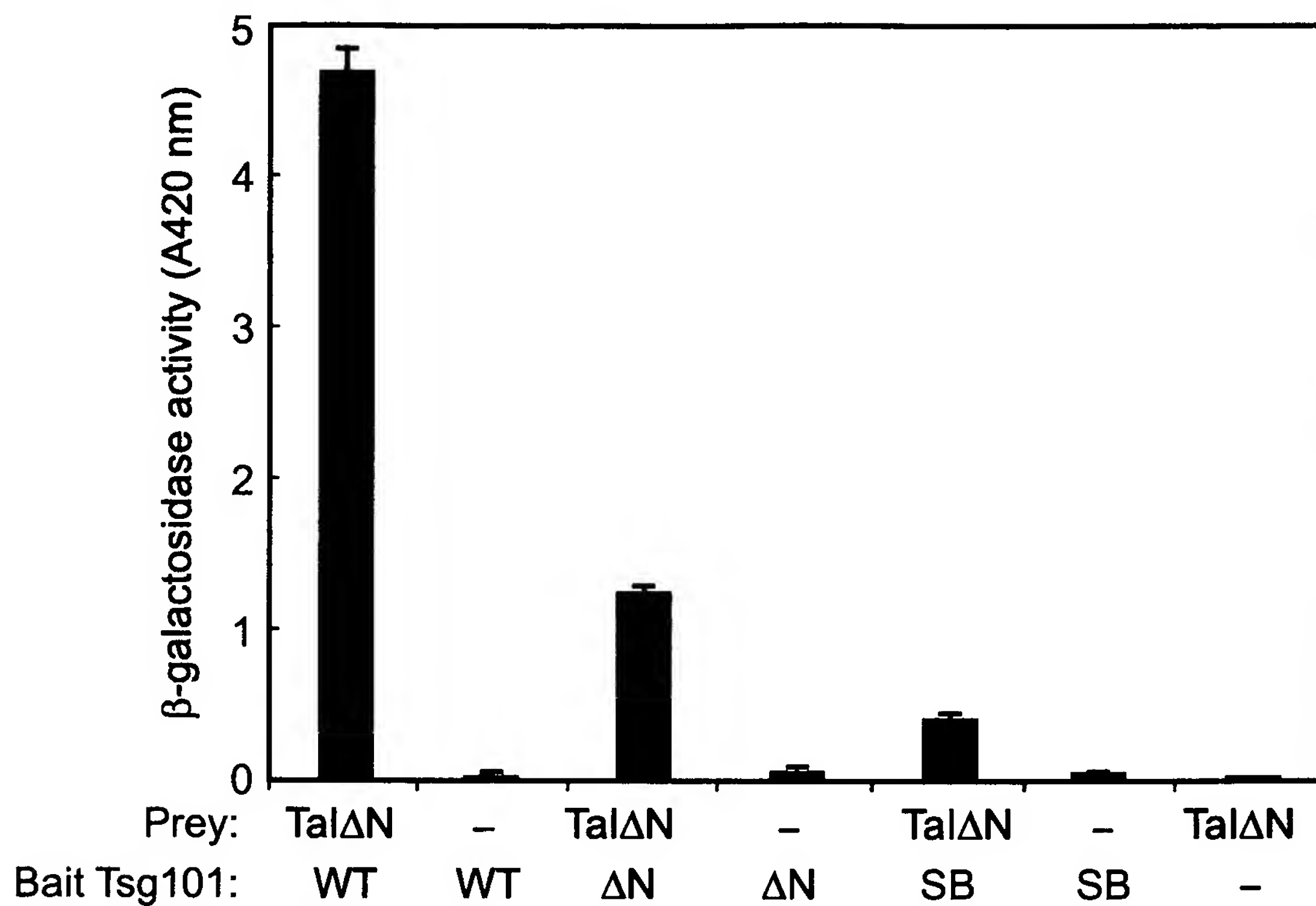


Fig. 1c

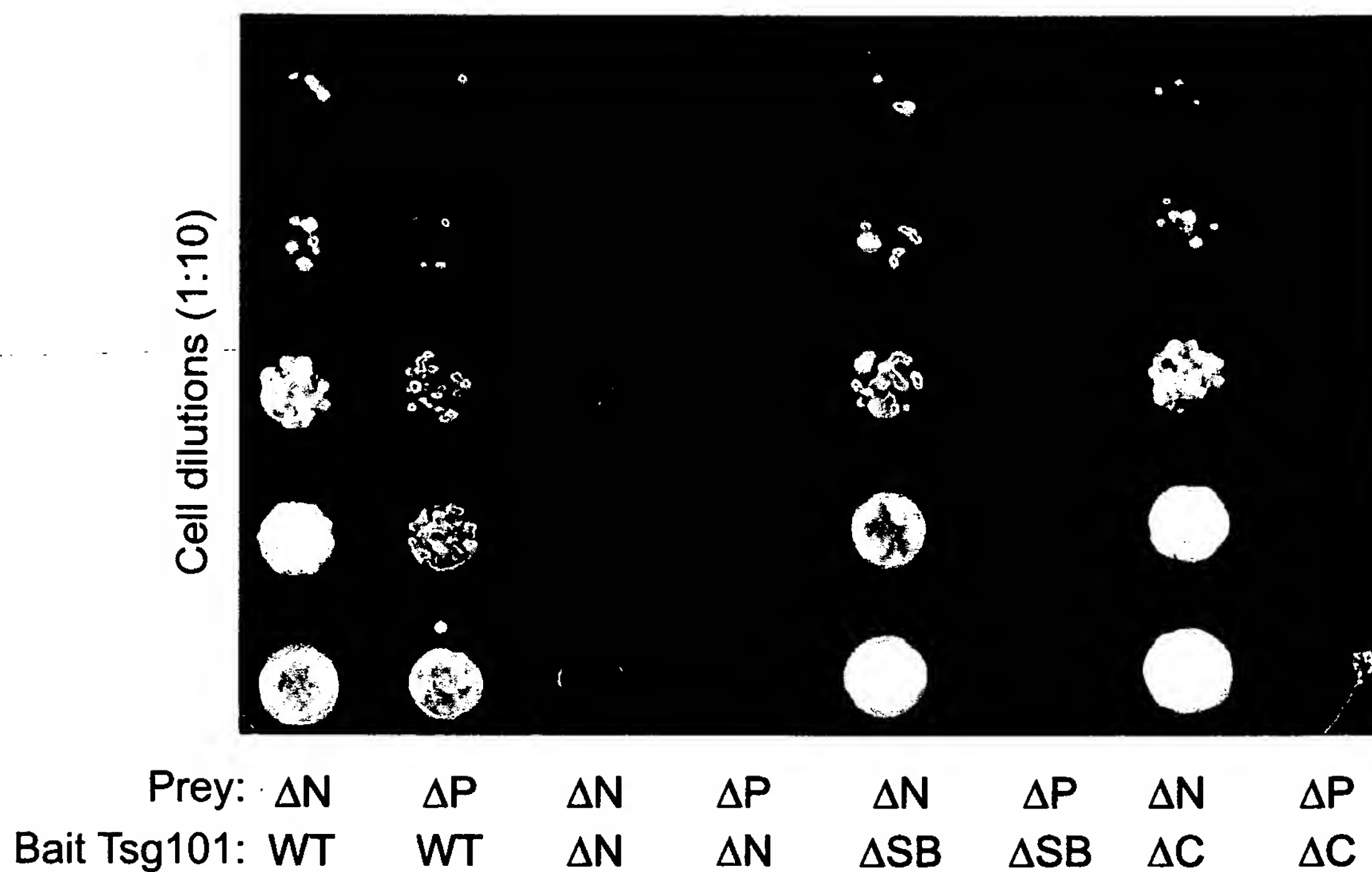


Fig. 1d

1 MPLFFRKRP SEEARKLEY QMCLAKEAGA DDILDISKCE LSEIPFGAFA  
51 TCKVLQKKVL IVHTNHLTSL LPKSCSLLSL ATIKVLDLHD NQLTALPDDL  
101 GQLTALQVLN VERNQLMQLP RSIGNLTQLQ TLNVKDNKLK ELPDTVGELR  
151 SLRTLNISGN EIQLRPQMLA HVRTLEMLSL DASAMVYPPR EVCGAGTAAI  
201 LQFLCKESGL EYPPSQYLL PILEQDGIEN SRDSPDGPTD RFSREELEWQ  
251 NRPSDYEKRK EQKMLEKLEF ERRLELGQRE HTQLLOQSSS QKDEILQTVK  
301 EEQSRLEQGL SEHQRHLDAA RQRLQEQLKQ TEQNISSRIQ KLLQDNQRQK  
351 KSSEILKSLE NERIRMEQLM SITQEETESL RRDVASAMQ QMLTESCKNR  
401 LIQMAYESQR QNLVQQACSS MAEMDERFQQ ILSWQQMDQN KAISQILQES  
451 AMQKAAFEAL QVKKDLMHRQ IRSQIKLIET ELLQLTQLEL KRKSLDTESL  
501 QEMISEQRWA LSSLLQQLLK EKQOREEELR EILTELEAKS ETRQENYWLI  
551 QYQRLNKP LSLKLQEEGM ERQLVALLEE LSAEHYLPF AHHRLSLDLL  
601 SQMSPGDLAK VGVSEAGLQH EILRRVQELL DAARIQPELK PPMGEVVTPT  
651 APQEPPEVSR PSAPPAELEV QASECVVLE REAQMIFLNC GHVCCCQCC  
701 QPLRTCPLCR QDIAQRLRIY HSS SEQ ID No.: 2

Fig. 2a

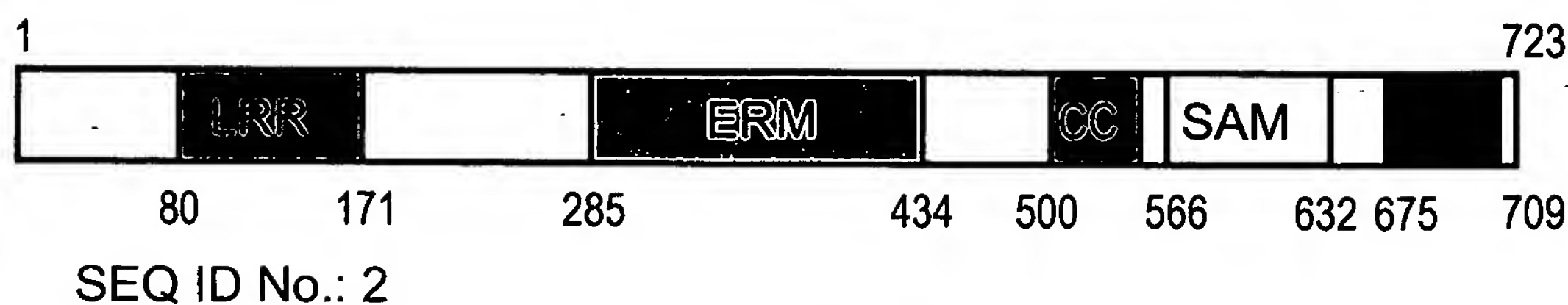


Fig. 2b

SEQ IDNo.:4	Mouse	MPU	FFRKRK	PSEEARKRLE	YQMCLAKEAG	ADDILDISKC	ELSEIPFGAF	ATCKVLQKKV	LIVHTNHLTS	LLPKSCSLLS	79
SEQ IDNo.:6	Rat	MPU	FFRKRK	PSEEARKRLE	YQMCLAKEAG	ADDILDISKC	ELSEIPFGAF	ATCKVLQKKV	LIVHTNHLTS	LLPKSCSLLS	79
SEQ IDNo.:2	Human	MPU	FFRKRK	PSEEARKRLE	YQMCLAKEAG	ADDILDISKC	ELSEIPFGAF	ATCKVLQKKV	LIVHTNHLTS	LLPKSCSLLS	79
SEQ IDNo.:63	Cnte	MPLGRFGSKK	QSKNAKRRFIE	HLMVMAKEN	PDRIJFDLSIDC	ELHEVPNLMF	SQCRVULTES	LLHSNLUKIS	ELKHGGKMSC		78
	Mouse	UVTIKVLDLH	ENQLTALPDD	MGQLTVLQVD	NVERNQLTHL	PRSIGNLLQL	QTLNVKDNKL	KELPDTLCEL	RSLRTLDISE		159
	Rat	LATIKVLDLH	DNQLTALPDD	IGQLTALQVL	NVERNQLTHL	PRSVGNLLQL	QTLNVKDNKL	KELPDTLCEL	RSLRTLDISE		159
	Human	LATIKVLDLH	DNQLTALPDD	LGQLTALQVL	NVERNQLMQL	PRSIGNLLTQL	QTLNVKDNKL	KELPDTVCEL	RSLRTUNISG		159
	Cnte	LTSILRVLDLH	NNRIALLPKID	IGVLSNLLQVF	NIEENRI TEL	PDSIGDLKKL	QSLAKDNQL	NSLPITITSGM	ESLRTLDISG		158
	Mouse	NEIQRLPQM	LAHVRTLEV L	SLNALAMVY	PPPEVCGAGT	AAVQQFLCKE	SGLDYYPPSQ	YLLPVLEQDG	AENTQDSDPG		237
	Rat	NEIQRLPQM	LAHVRTLEV L	SLDALSMVY	PPPEVCGAGT	AAVQQFLCKE	SGLDYYPPSQ	YLLPVLEQDG	AENSQDSDPG		237
	Human	NEIQRLPQM	LAHVRTLEV L	SLDASAMVY	PPPREVCGAGT	AAI LQFLCKE	SGLEYYPPSQ	YLLP ILEQDG	IENSQDSDPG		237
	Cnte	TNKMLYLPKT	LCKVRTLEV F	VLSNPAVMEY	PHSMVACEGL	EAIQKFIKCD	TGIEVI PPSH	ATUKVLDSSA	TTSSSSSKQTA		238
	Mouse	PASRFSREEA	EWQNRFS DYE	KRKEQKM L EK	LEFERRLDLG	QREHAELLQQ	SHSHKDEILQ	TVKQEQTRLE	QIDLSEQRCL		317
	Rat	PTRRFSREEA	EWQNRFS DYE	KRKEQKM L EK	LEFERRLDLG	QREHAELLQQ	SHSHKDEILQ	TVKQEQTRLE	QGLSERQRCL		317
	Human	PTDRFSREEE	EWQNRFS DYE	KRKEQKM L EK	LEFERRLELG	QREHTQLLQQ	SSSQKDEILQ	TVKEEQSRLE	QGLSEHQRHL		317
	Cnte	AANL	LYQSSMDQYQ	RSKDEKMKQQ	LEIERSIAEQ	QREQAYLTAK	AKHEKAKENA	FLKQEQAVFD	RSISEQQKKT		313
	Mouse	DAERQQLQEQ	LKQTEQSIA S	RIQRLQDNQ	RQKKSSEILK	SLENERIRNE	QLMSITQEET	ENLRQREIAA	AMQMLTESC		397
	Rat	DAERQQLQEQ	LKQSEQSIA S	RIQRLQDNQ	RQKKSSEILK	SLENERIRNE	QLMSITQEET	ENLRQREIAA	AMQMLTESC		397
	Human	DAERQRLQEQ	LKQTEQNIS S	RIQKLQDNQ	RQKKSSEILK	SLENERIRNE	QLMSITQEET	ESLRRRDVAS	AMQMLTESC		397
	Cnte	EIERQEMMKT	LTQVEEEAS R	LVNKLVSINI	GAKQREEMLE	GMEIRERMEQE	ERFKVTQEDI	DKLRKKEITLA	AMQSVIADNA		393
	Mouse	KSRLIQMAYE	SQRQSLAQQA	CSSMAEMDKR	FQQLSWQQM	DQNKAISQIL	QESVMQKAAF	EALQVKKDLM	HRQIRNQIRL		477
	Rat	KSRLIQMAYE	SQRQSLVQQA	CSSMAEMDKR	FQQLSWQQM	DQNKAISQIL	QESVMQKAAF	EALQVKKDLT	HRQIRSQIRL		477
	Human	KNRLIQMAYE	SQRQNLVQQA	CSSMAEMDER	FQQLSWQQM	DQNKAISQIL	QESAMQKAAF	EALQVKKDLM	HRQIRSQIKL		477
	Cnte	HYAIAIKKY L	GEQDHMT RQA	QQTILGADNEL	IEHELKRQQW	NQGVLDVDQIL	HEESLQKEAF	IMLKLQHDVAV	QARLVVDQJGQ		473
	Mouse	IETELLQLTQ	LELKRKSLDT	ETLQEMVSEQ	RWALSNLLQQ	LLKEKKQREE	ELHGILAELE	AKSETKQENY	WLIQYQRLLN		557
	Rat	IETELLQLTQ	LELKRKSLDT	ETLQEMVSEQ	RWALSNLLQQ	LLKEKKQREE	ELHGILAELE	AKSETKQENY	WLIQYQRLLN		557
	Human	IETELLQLTQ	LELKRKSLDT	ESLQEMI SEQ	RWALSSLQQ	LLKEKKQREE	ELREILTELE	AKSETRQENY	WLIQYQRLLN		557
	Cnte	LQGE LIRLTQ	IEAQRNKHR I	DQDKQTL S L I	RNELTDLLIQ	LLKEKDHREE	MVKSRLVEME	QQRDDQVDF	WLVQYQKLLD		553
	Mouse	QKPLSLKLQE	EGMERRLVAL	LVELSAEHYL	PLFAHHRISL	DMLSRMSPGD	LAKVGVSEAG	LQHEILRRAR	DLDVARVQP		637
	Rat	QKPLSLKLQE	EGMERQLVAL	LVELSAEHYL	PLFAHHRITL	DMLSRMGPGD	LAKVGVSEAG	LQHEILRRAR	DLDVARVQP		637
	Human	QKPLSLKLQE	EGMERQLVAL	LEELSAEHYL	PIFAHHRUSL	DLLSQMSPGD	LAKVGVSEAG	LQHEILRRVQ	ELLDARIQP		637
	Cnte	TKPEVLVQKE	HGIVDPQIVRL	LQRSDAIAHHL	SAFARHHTM	DTITTLDDDEK	URSLGVFFETG	URRNILLREIE	ELYIQRKKV		632
	Mouse	ELKPLENEVL	GALEPPTAPR	EL... QES	VRPSAPPAEL	DMPTSECVVC	LEREAQMVFL	TCGHVCCCCQ	CCQPLRTCPL		712
	Rat	ELKPPKNEVF	GVSEPTAPQ	EL... PES	VRPSAPPAEL	DVPTSECVVC	LEREAQMVFL	TCGHVCCCCQ	CCQPLRTCPL		712
	Human	ELKPPMGEVV	... TPTAPQ	EP... PES	VRPSAPPAEL	EVQASECVVC	LEREAQMIFL	NCGHVCCCCQ	CCQPLRTCPL		708
	Cnte	DLPTSDEE	... HPPPTAPV	EQSTSQDPDV	VQPTAP. SES	QEEENEVCVC	LDRNSDTIFL	PCGHVCACFI	CISTQLQSCPM		707

FIG. 2C

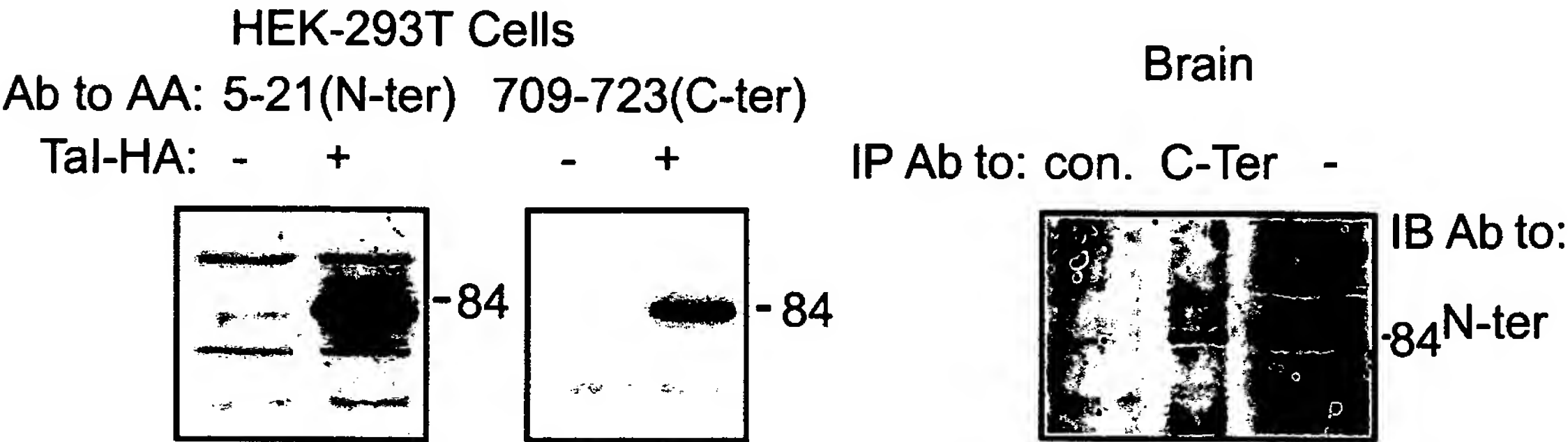


Fig. 2d

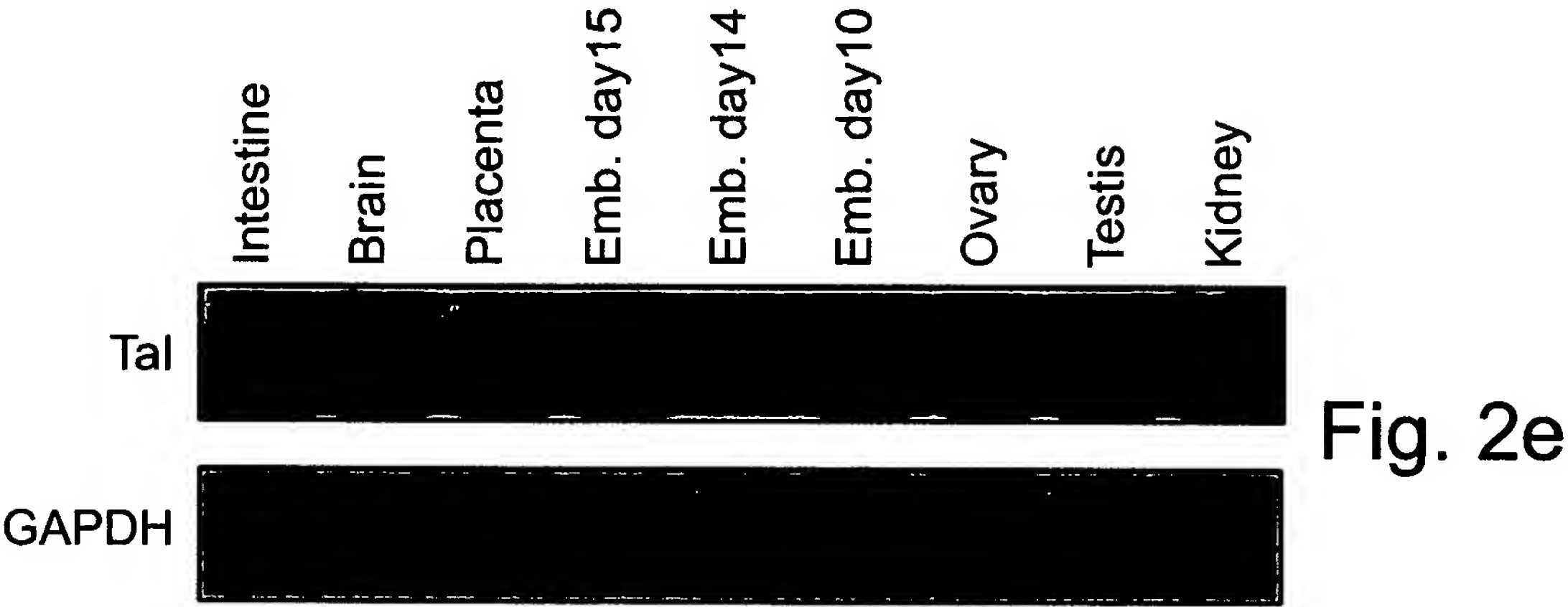


Fig. 2e

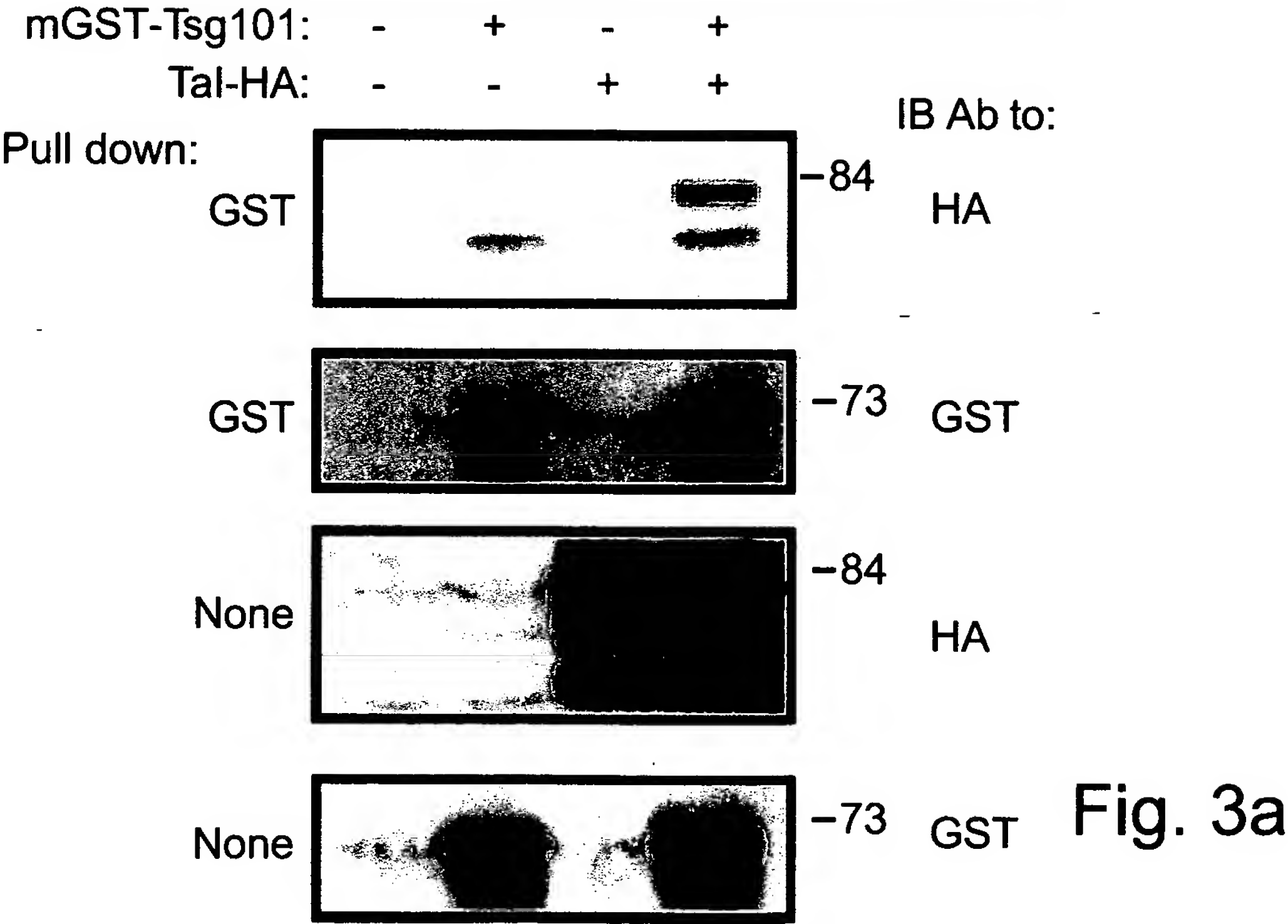


Fig. 3a

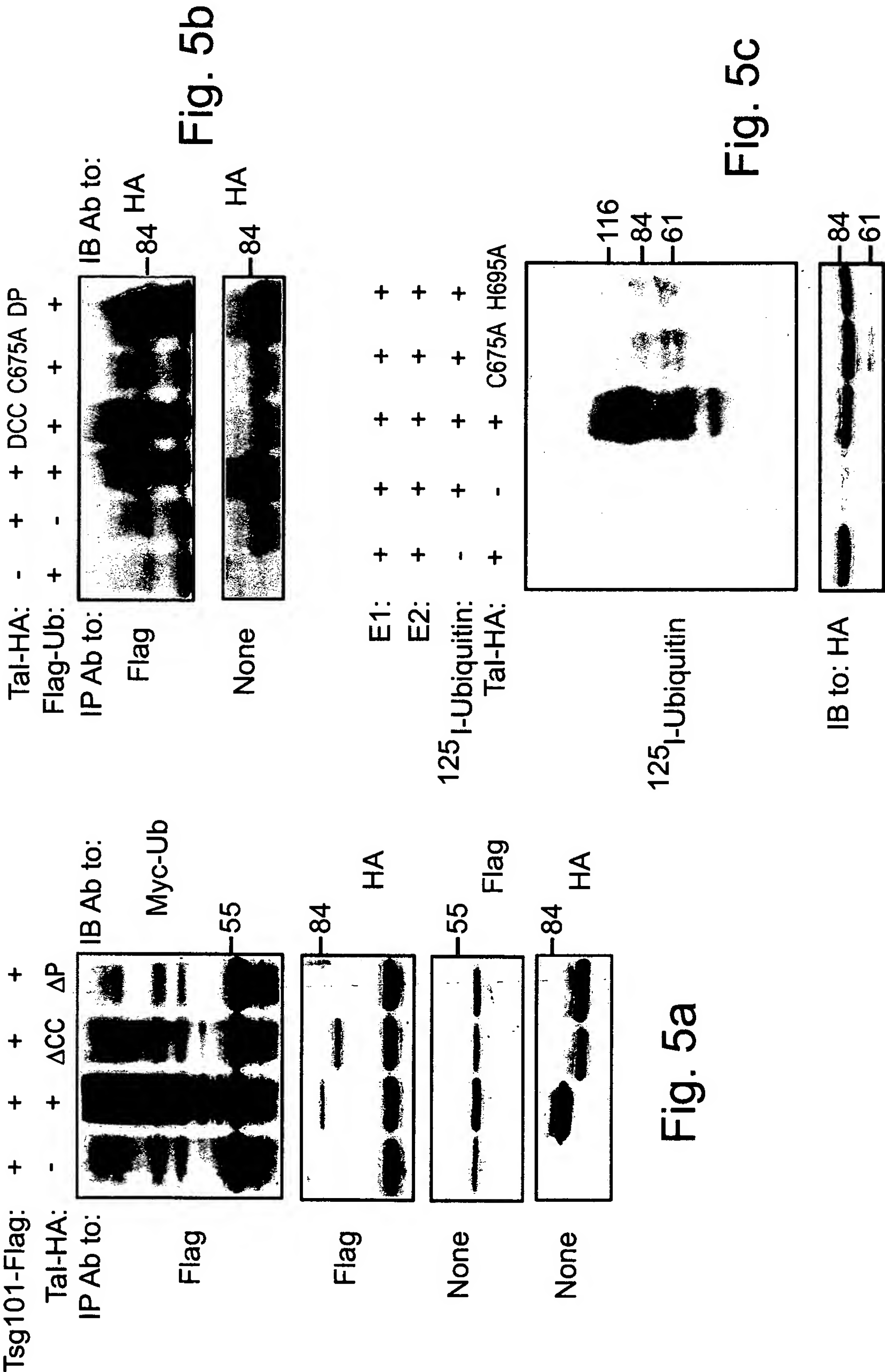












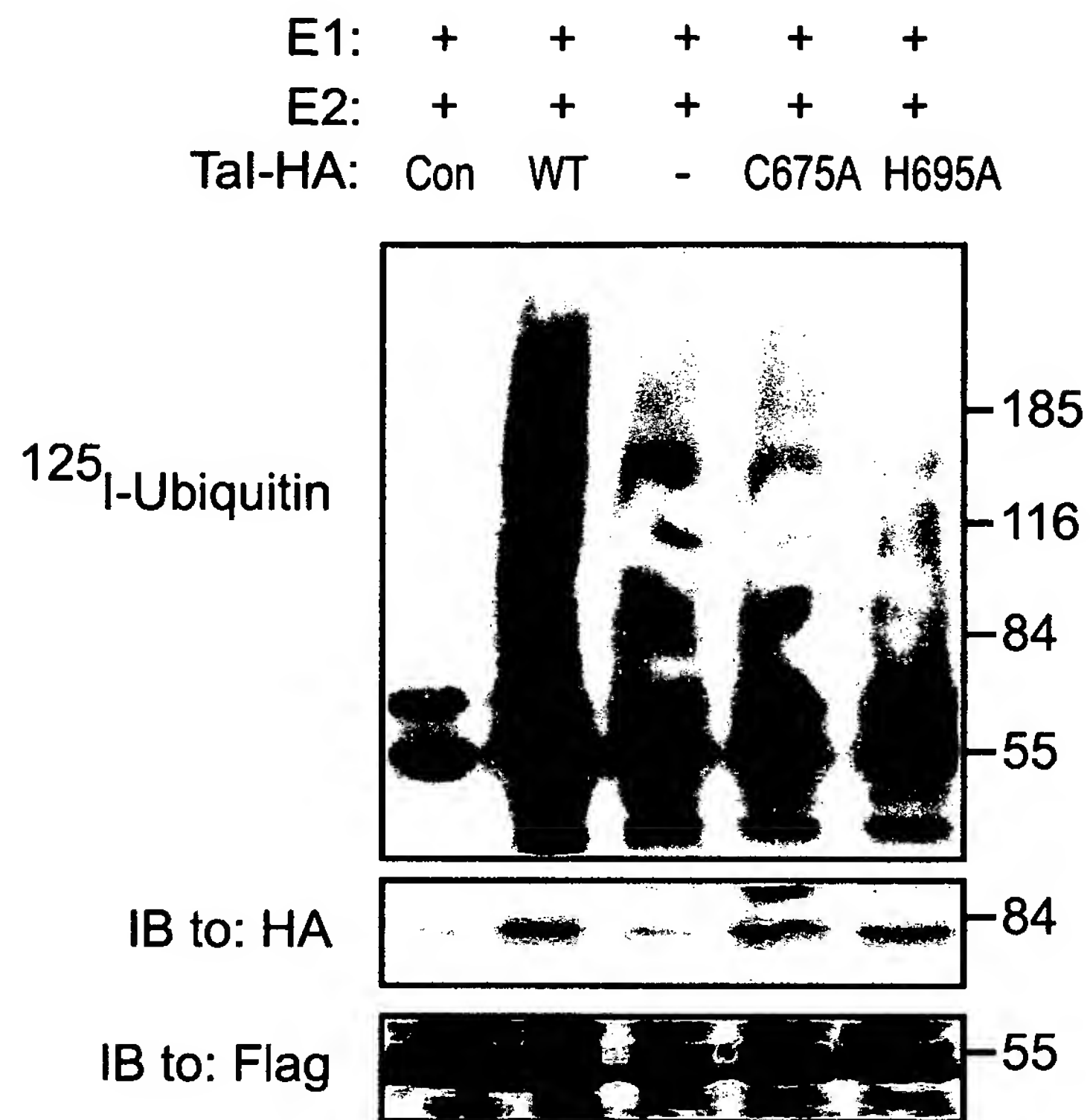


Fig. 5d

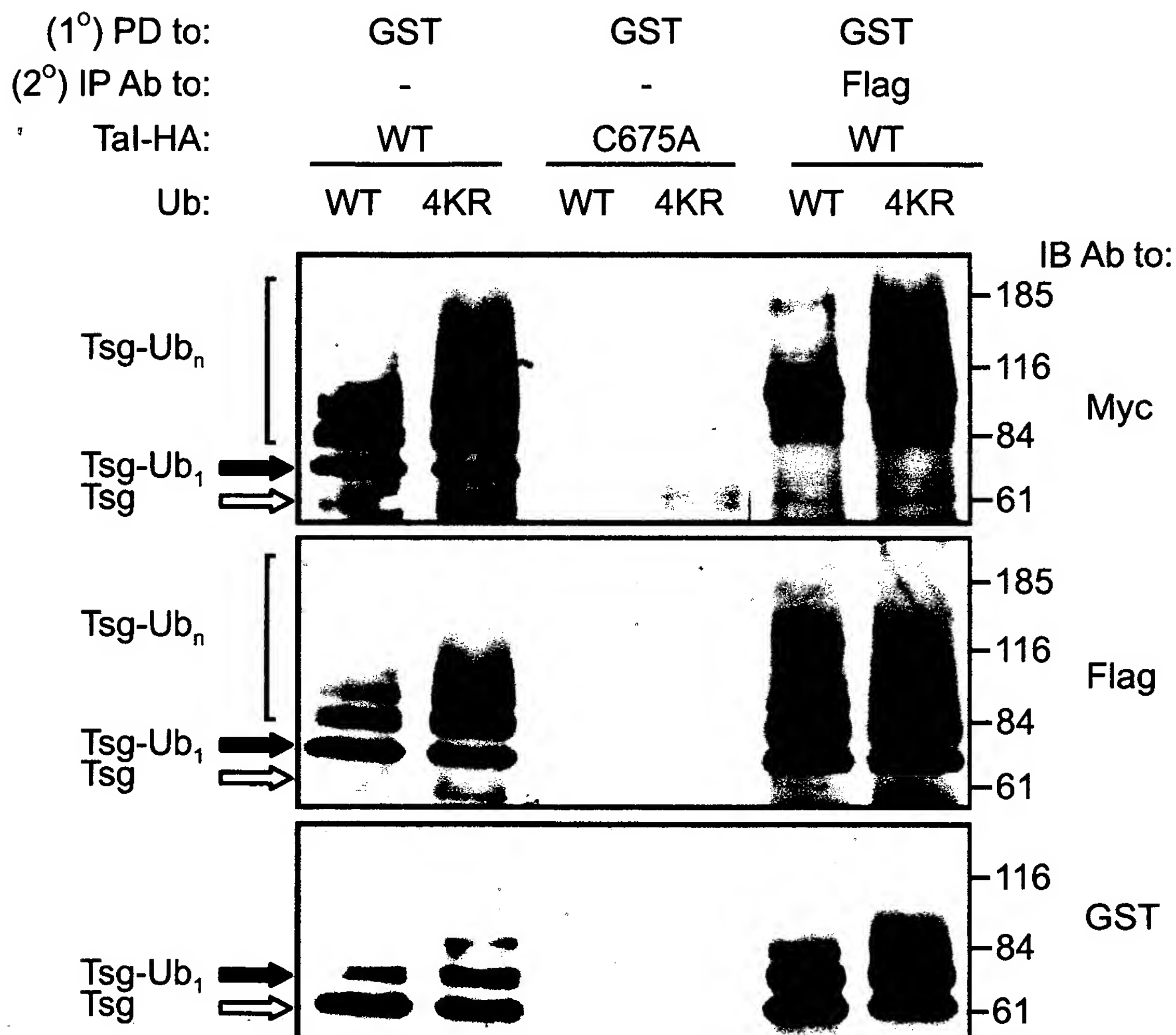


Fig. 5e

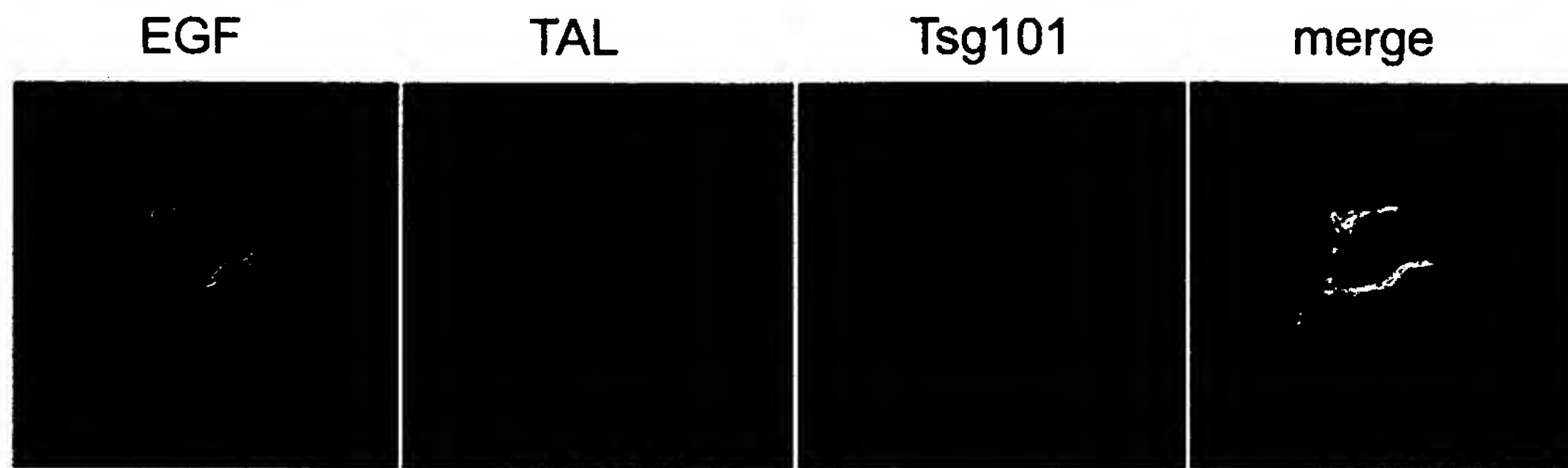


Fig. 6a

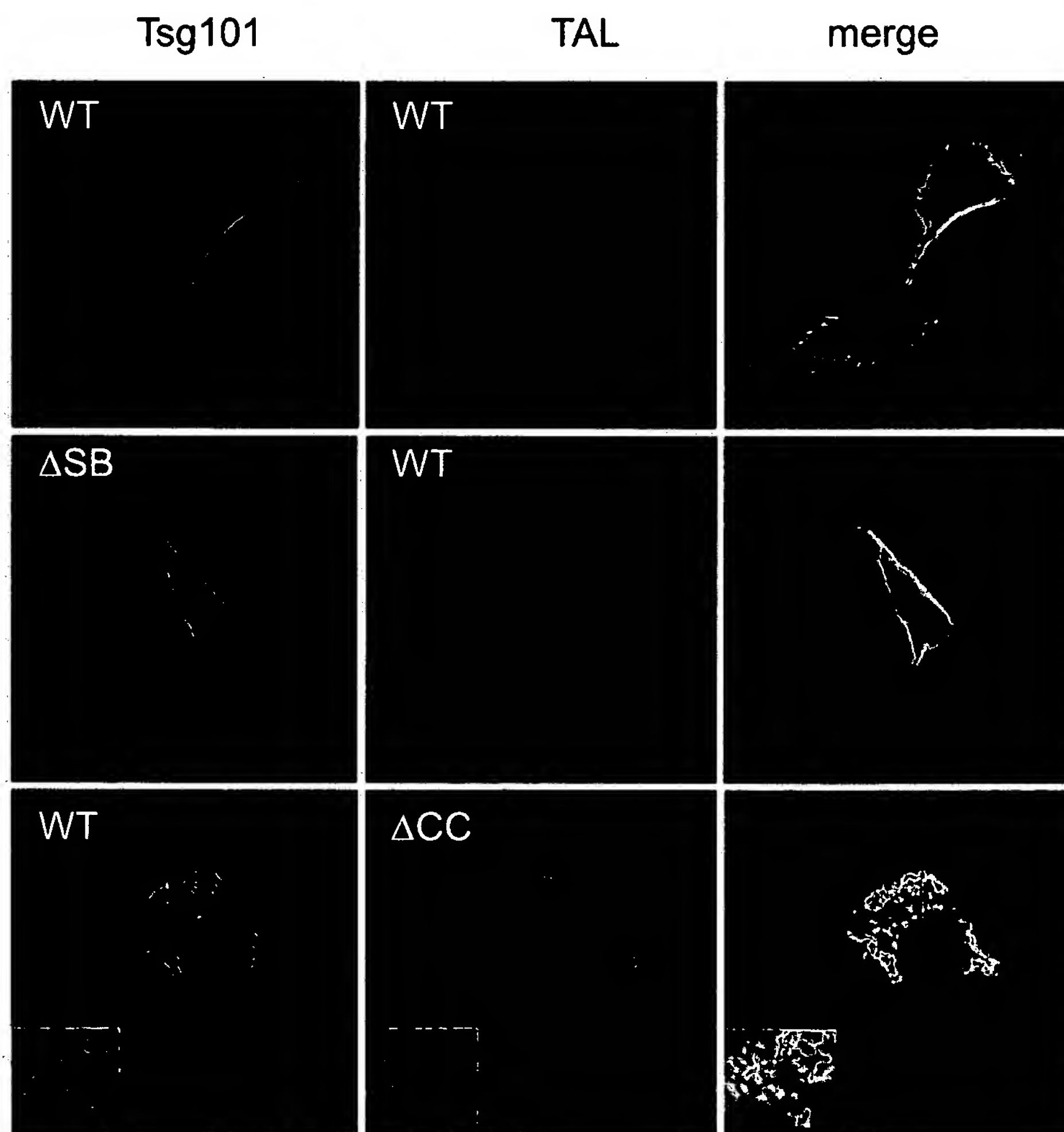


Fig. 6b



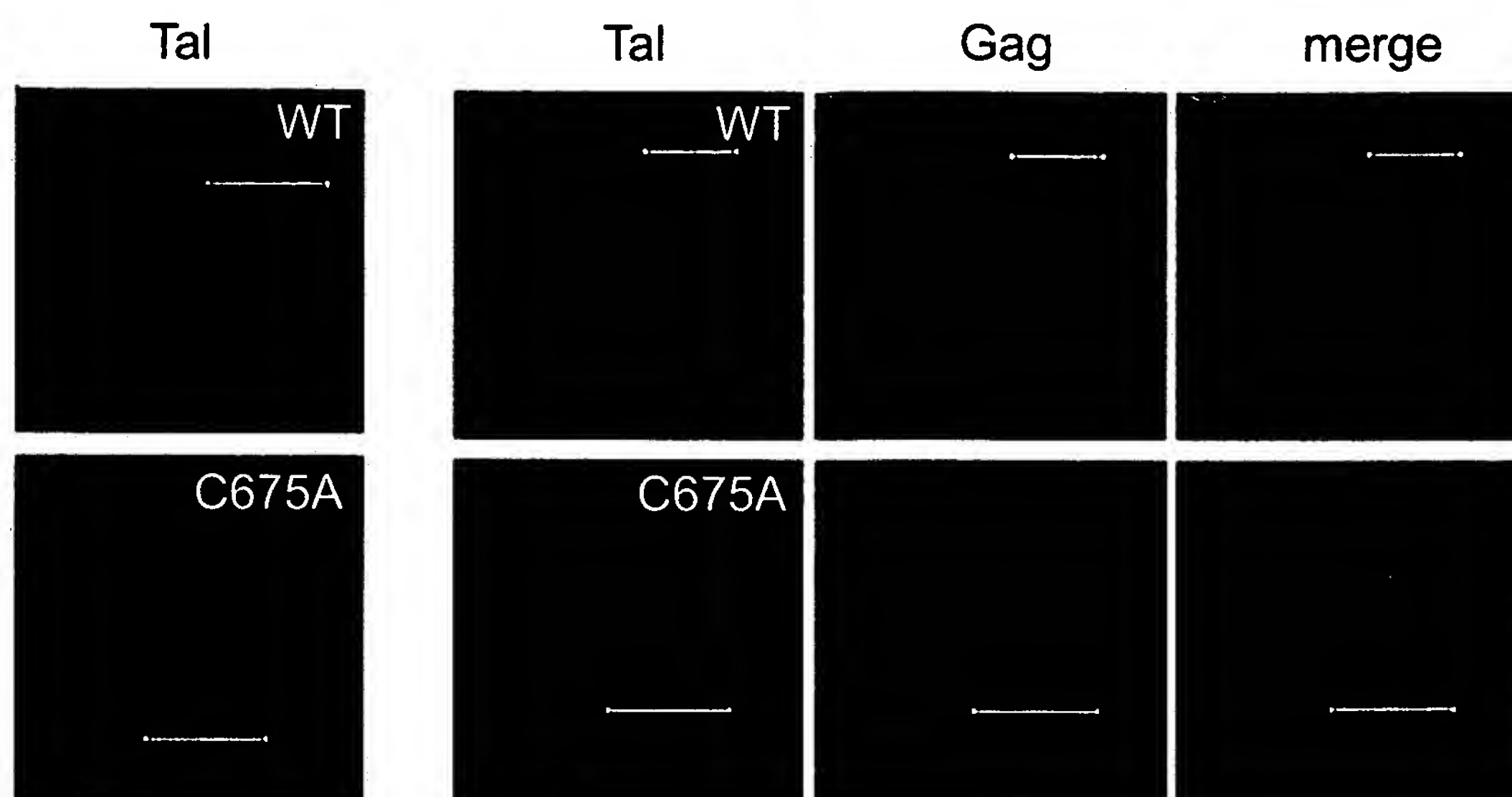


Fig. 6c

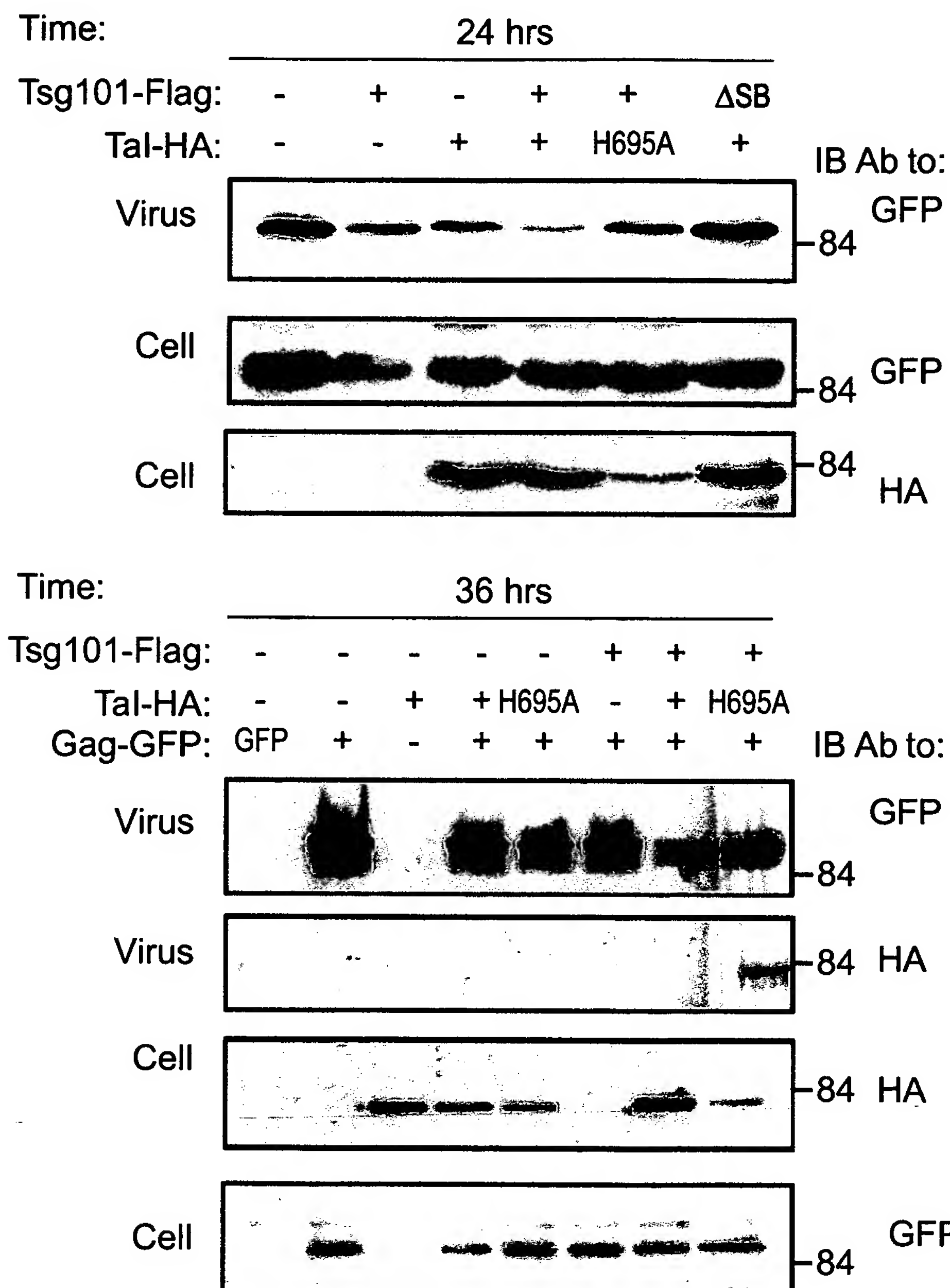


Fig. 7a

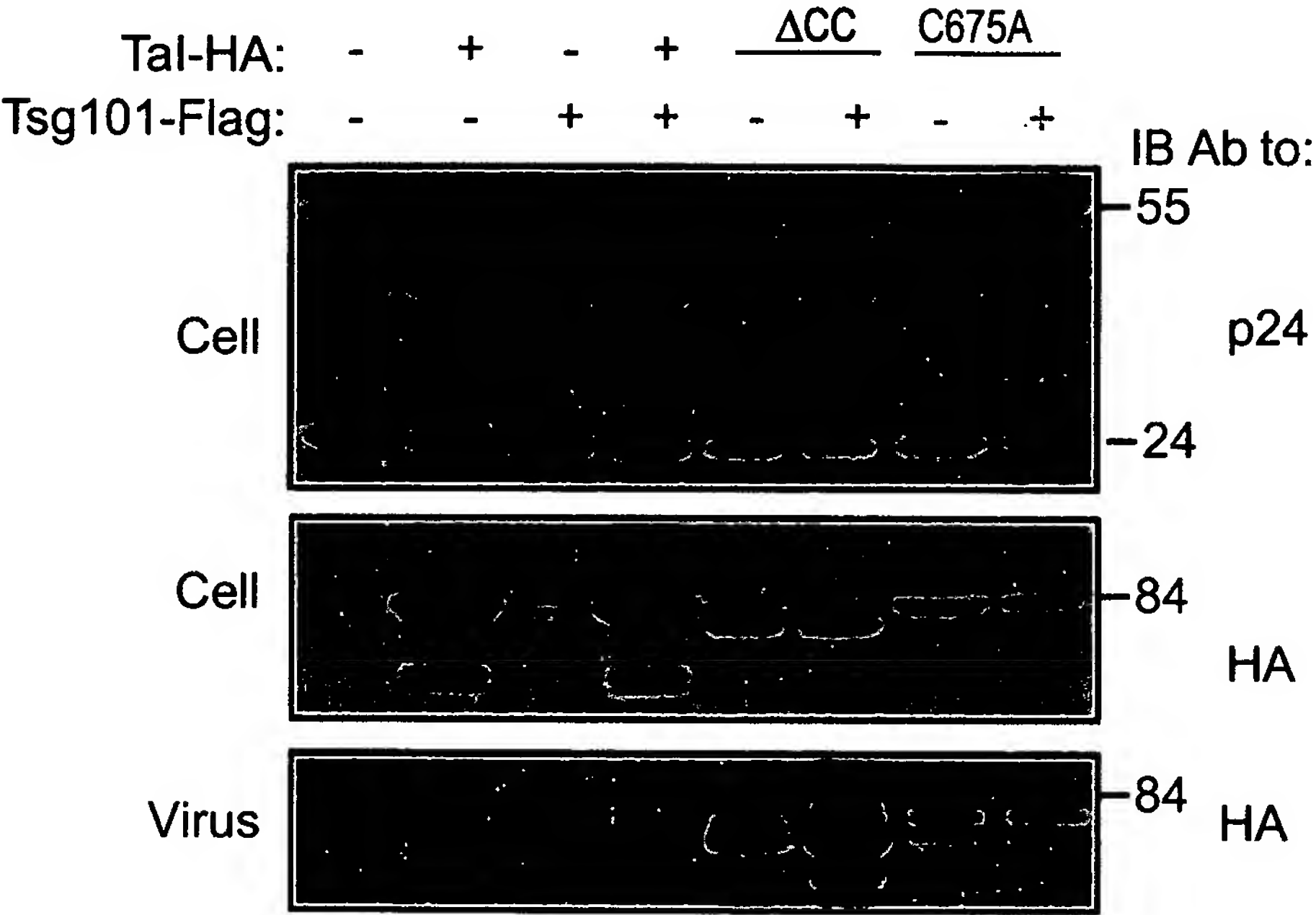


Fig. 7b

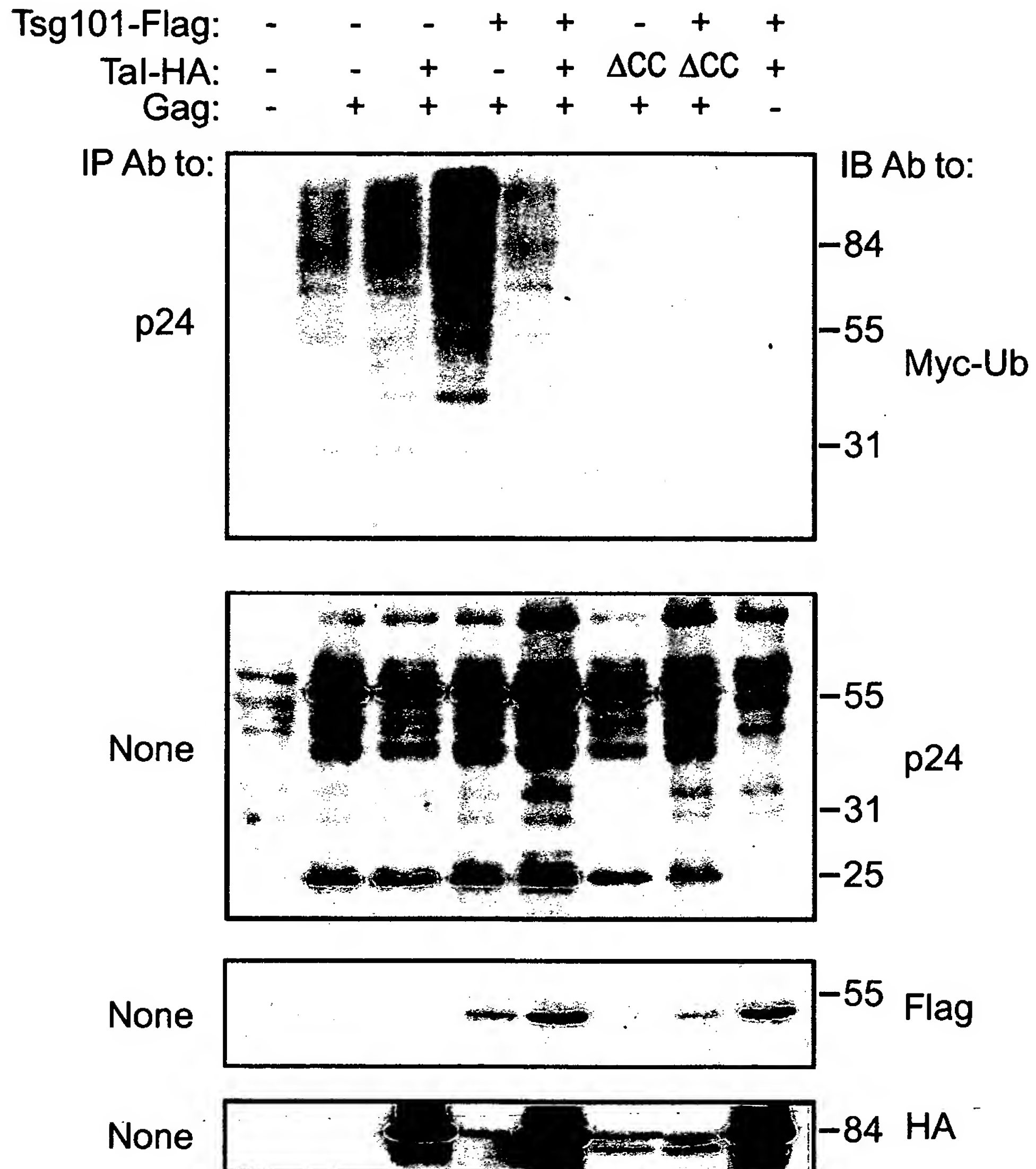


Fig. 7c

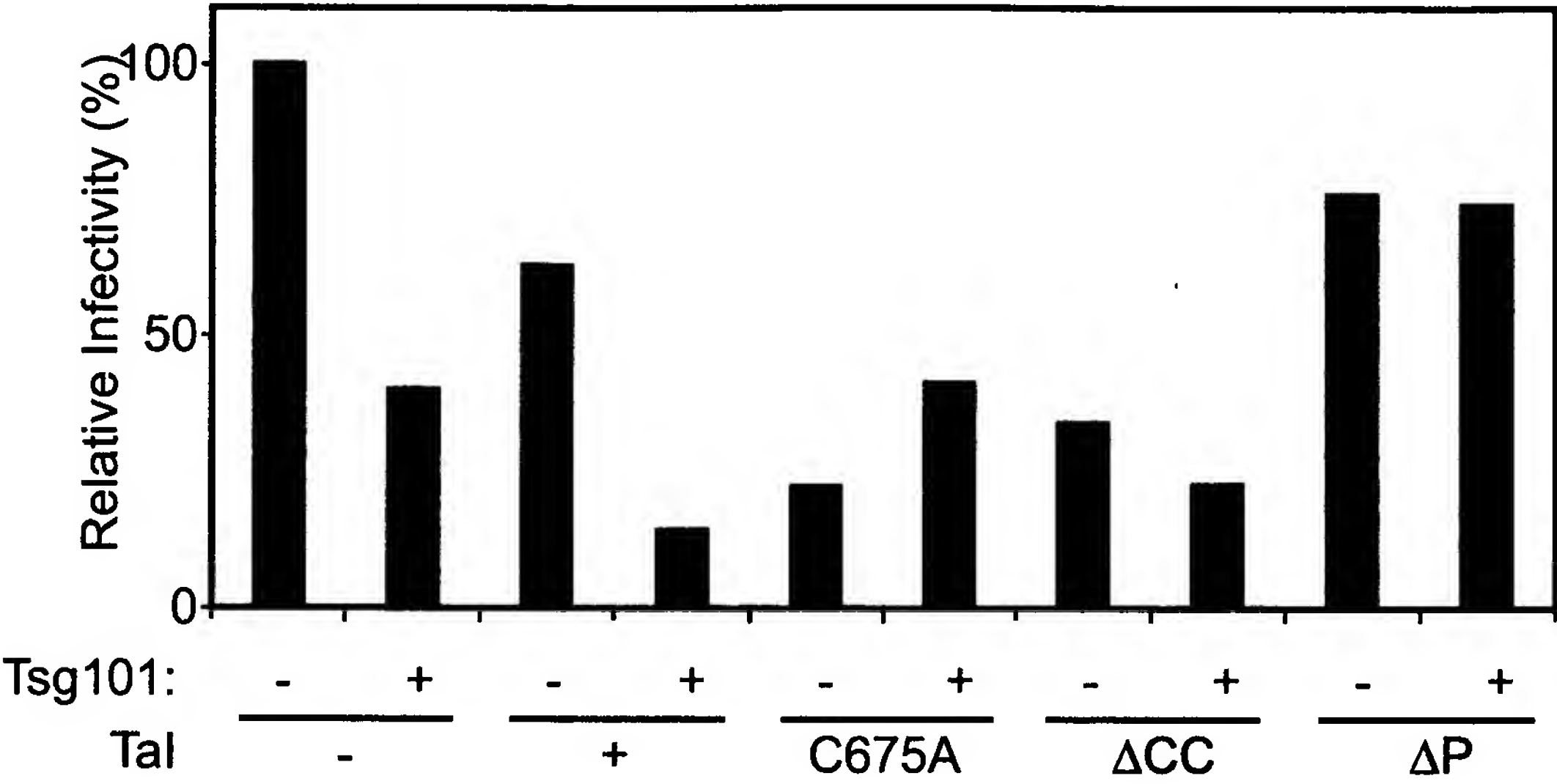


Fig. 7d

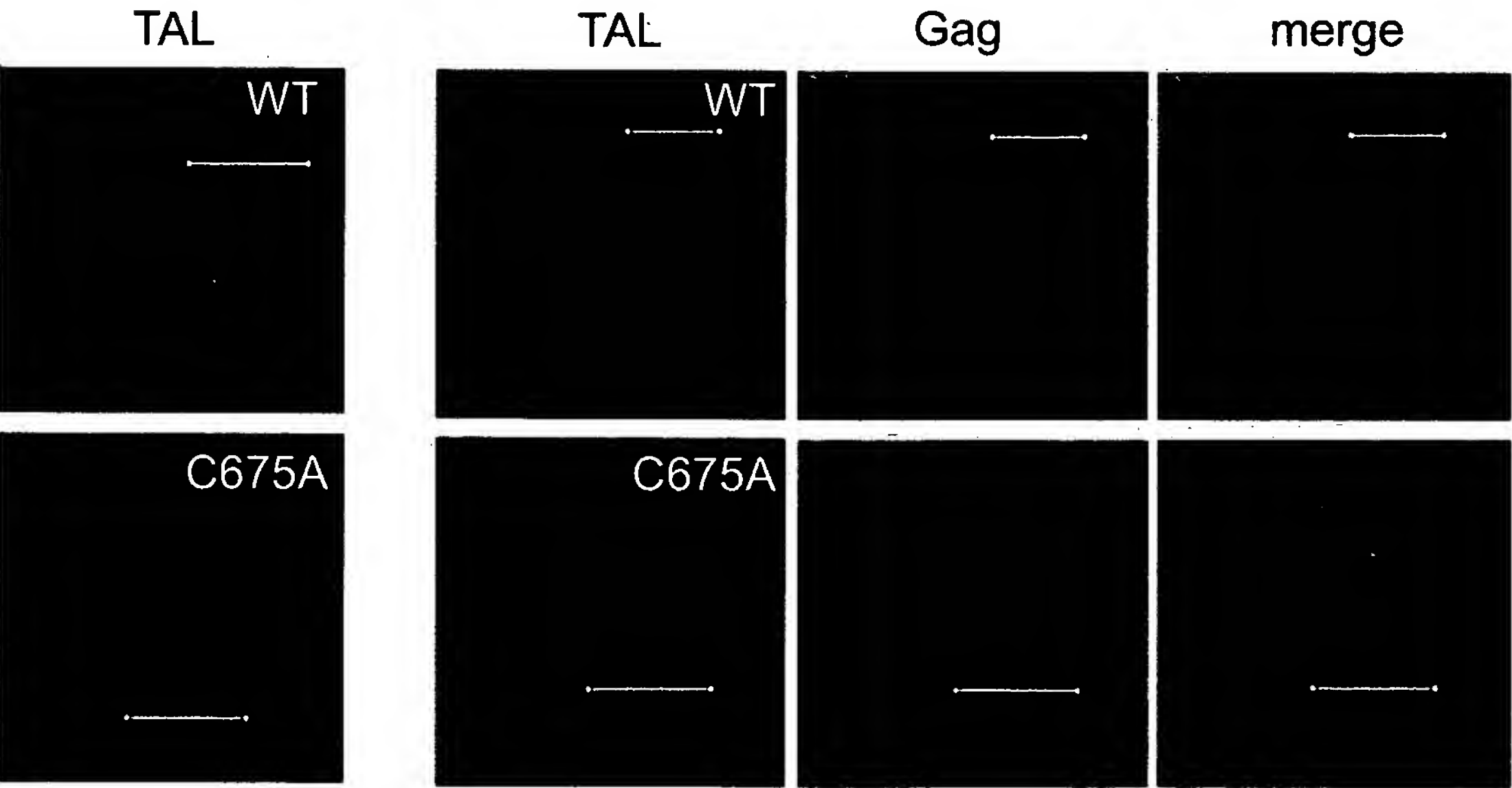


Fig. 7e



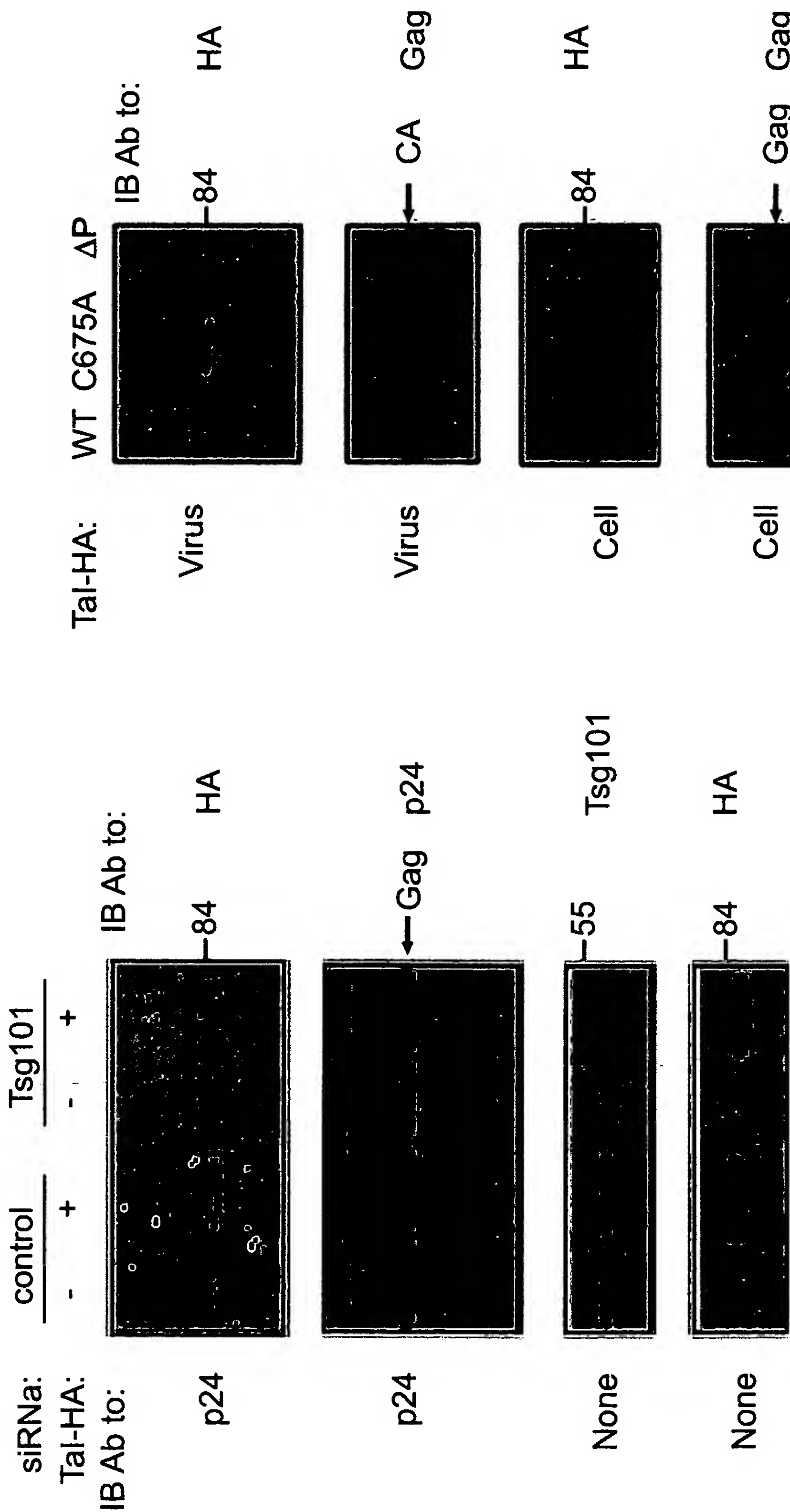


Fig. 7f

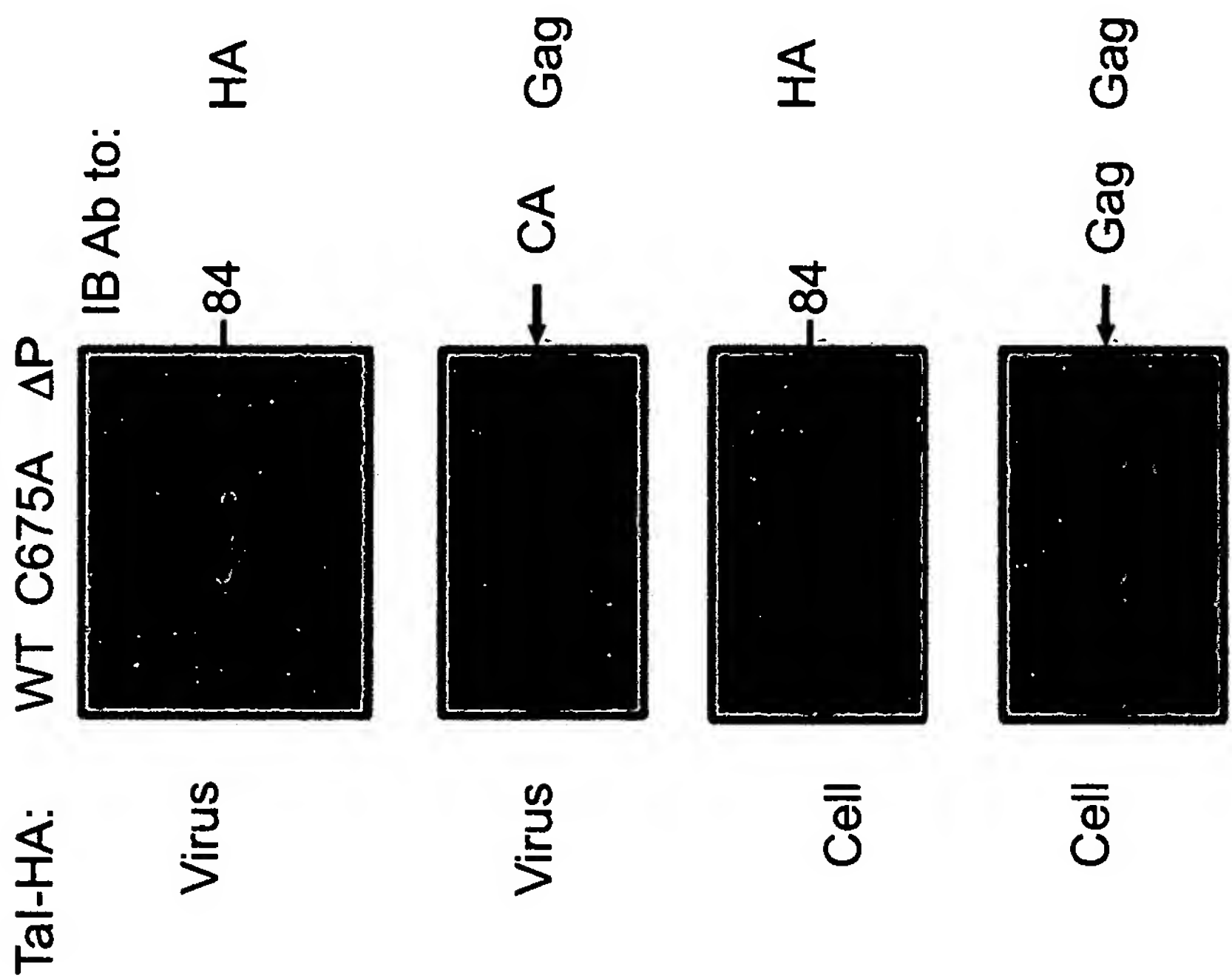
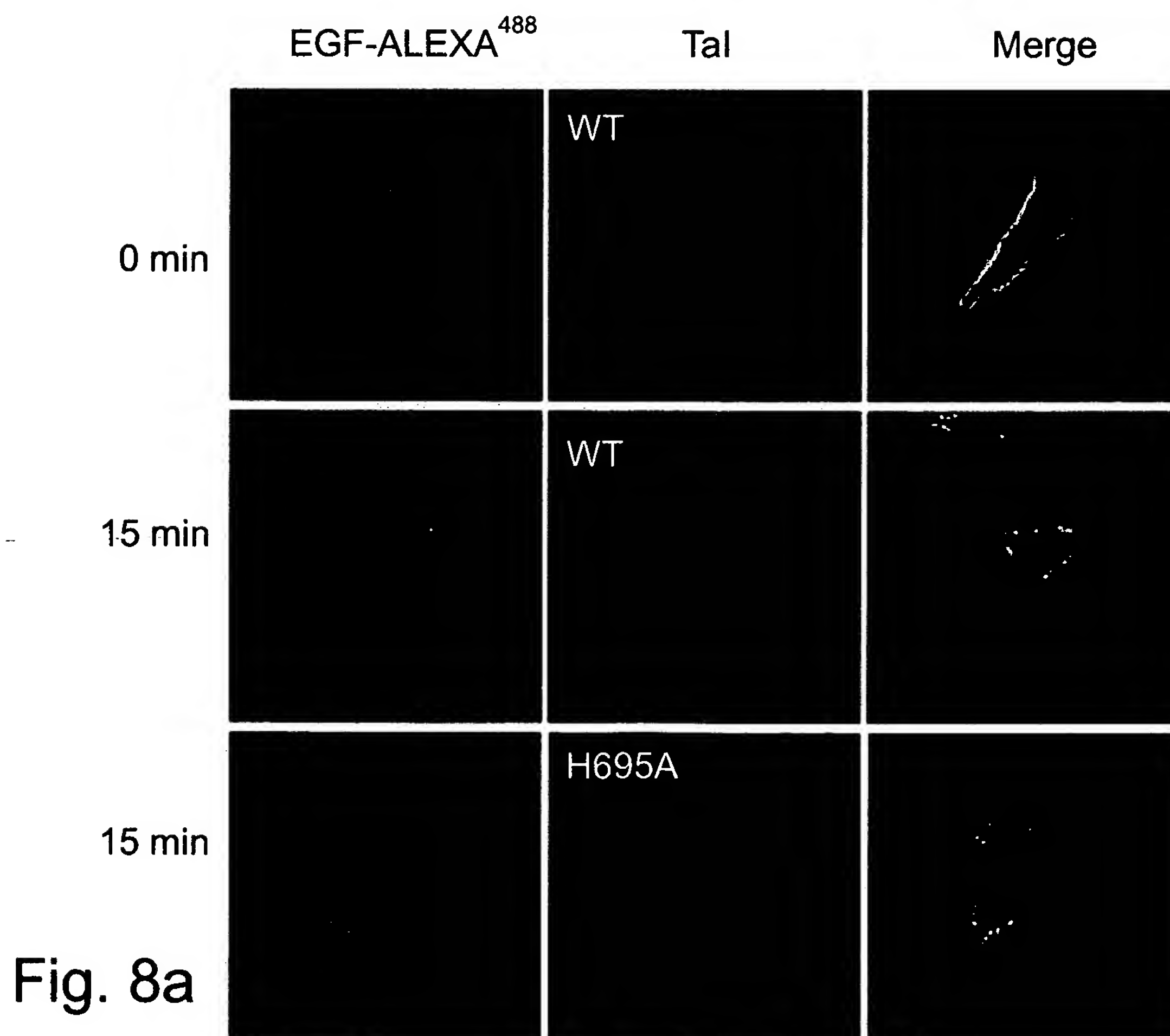
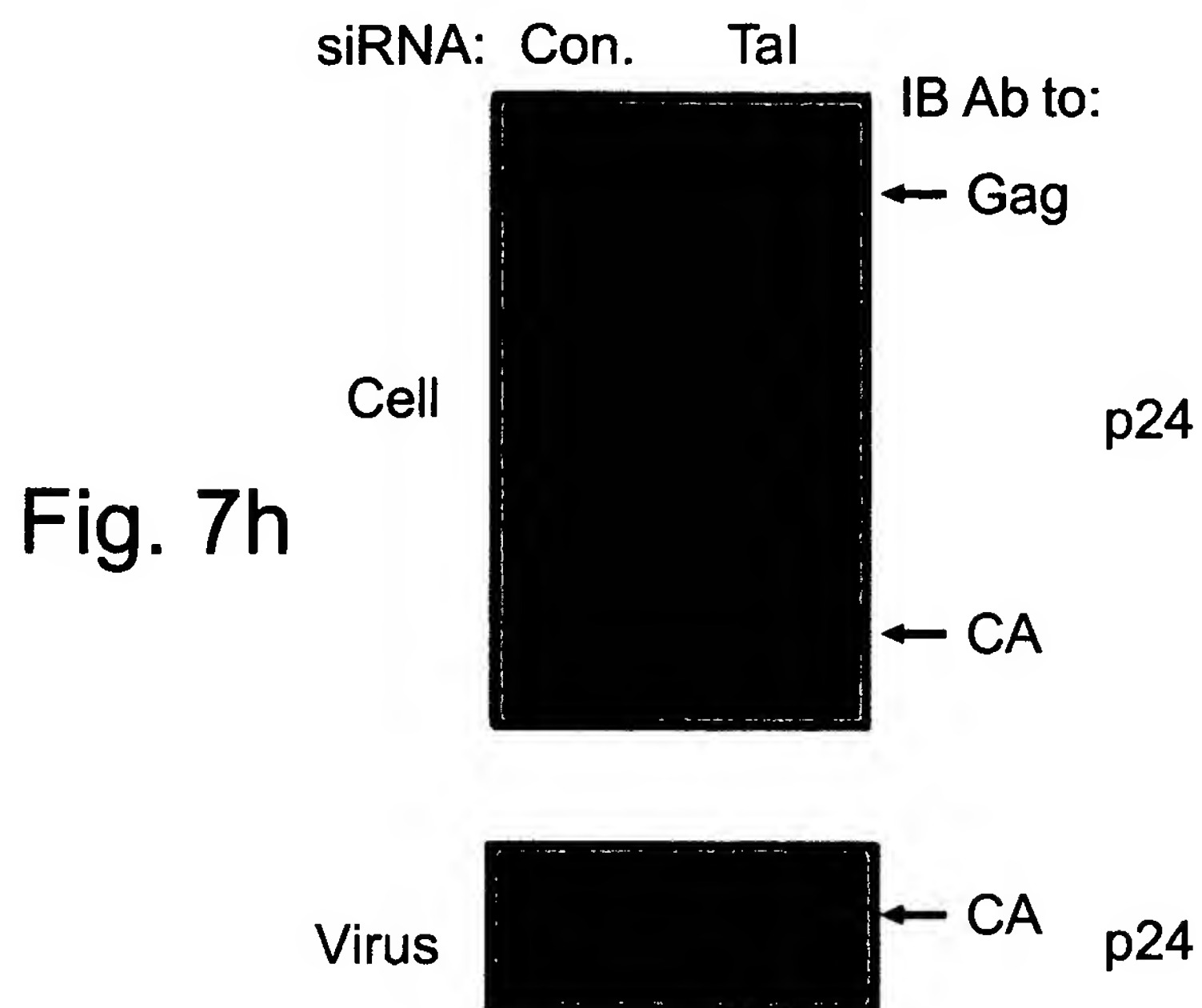


Fig. 7g



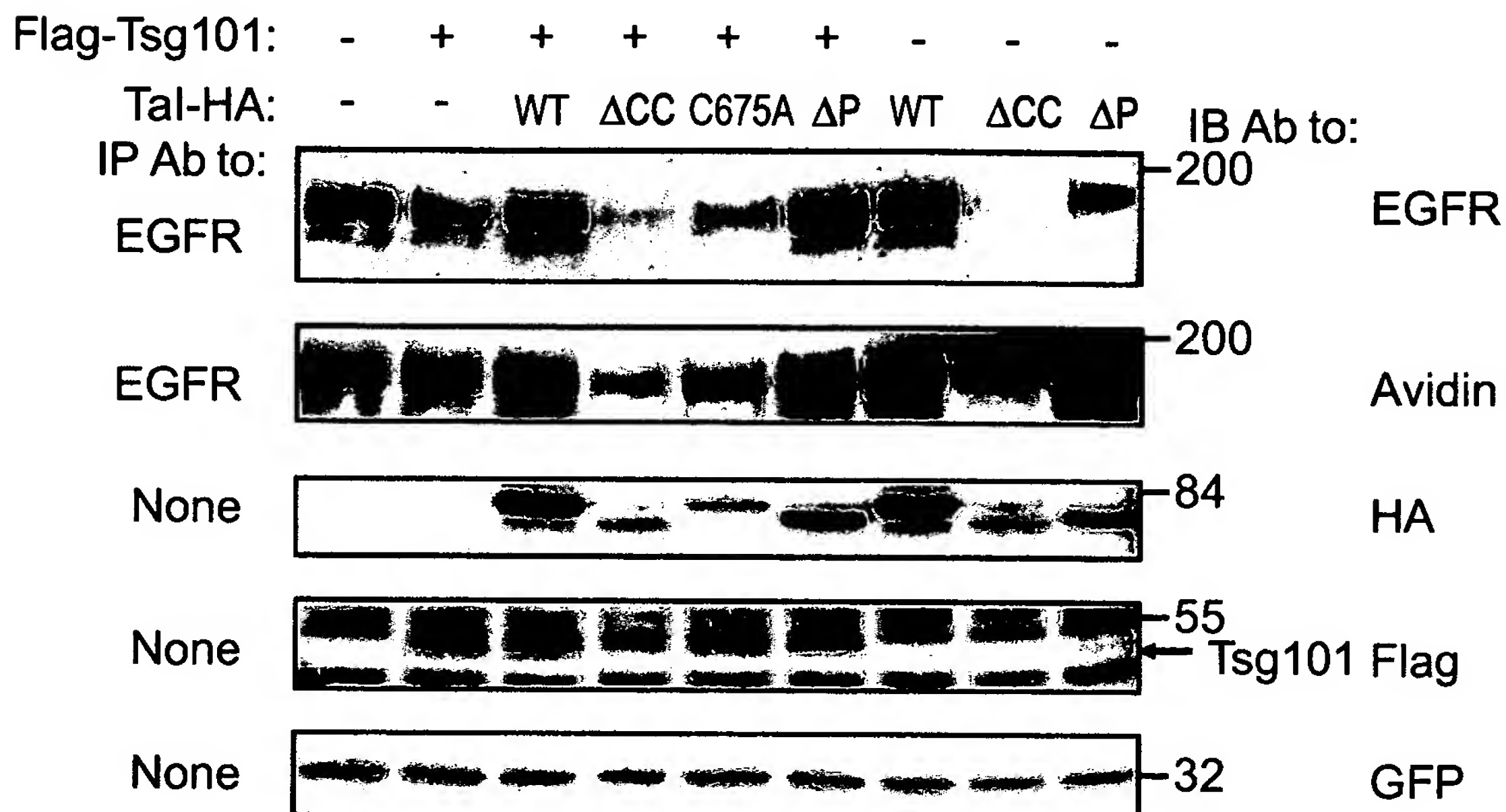


Fig. 8b

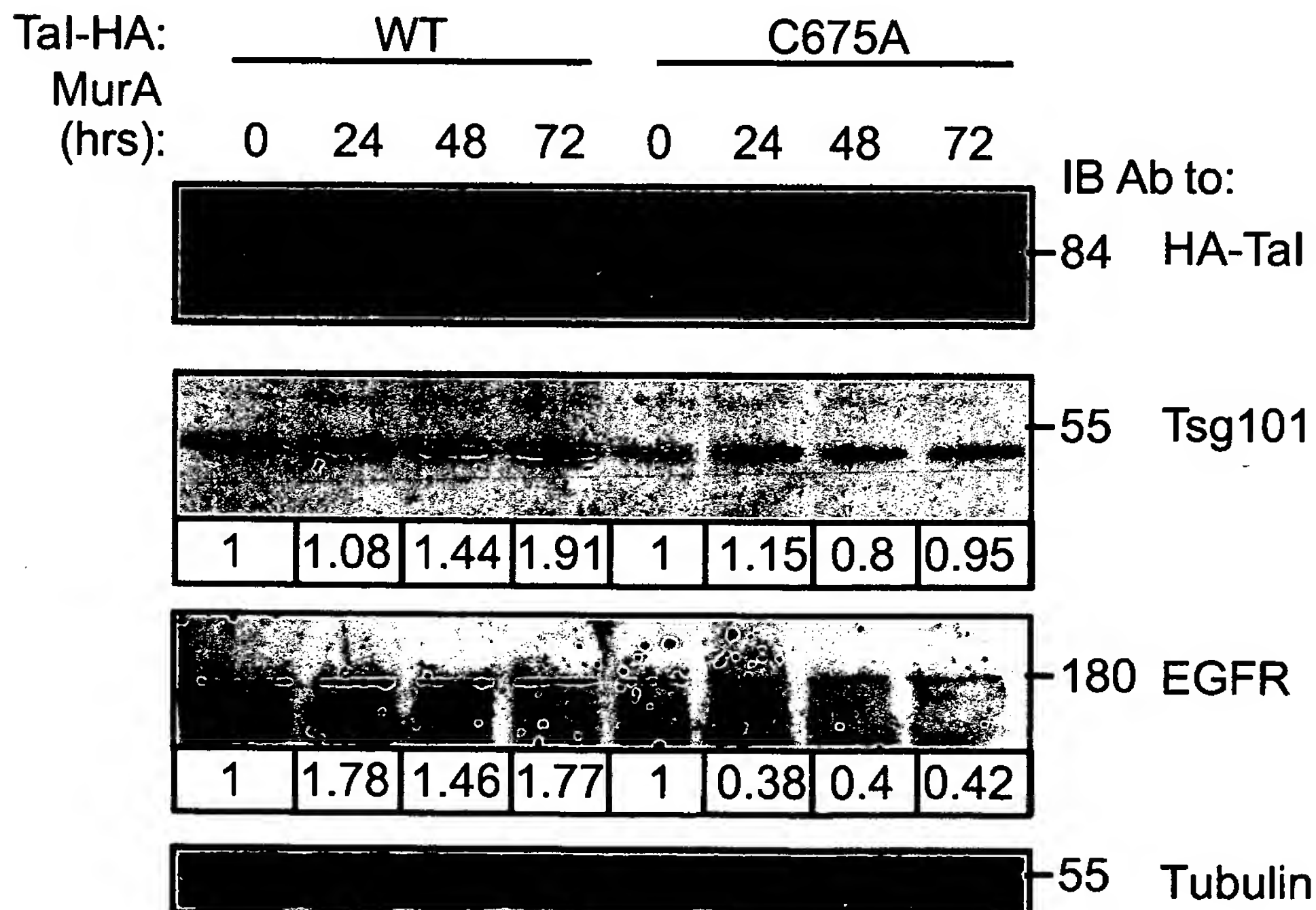


Fig. 8c

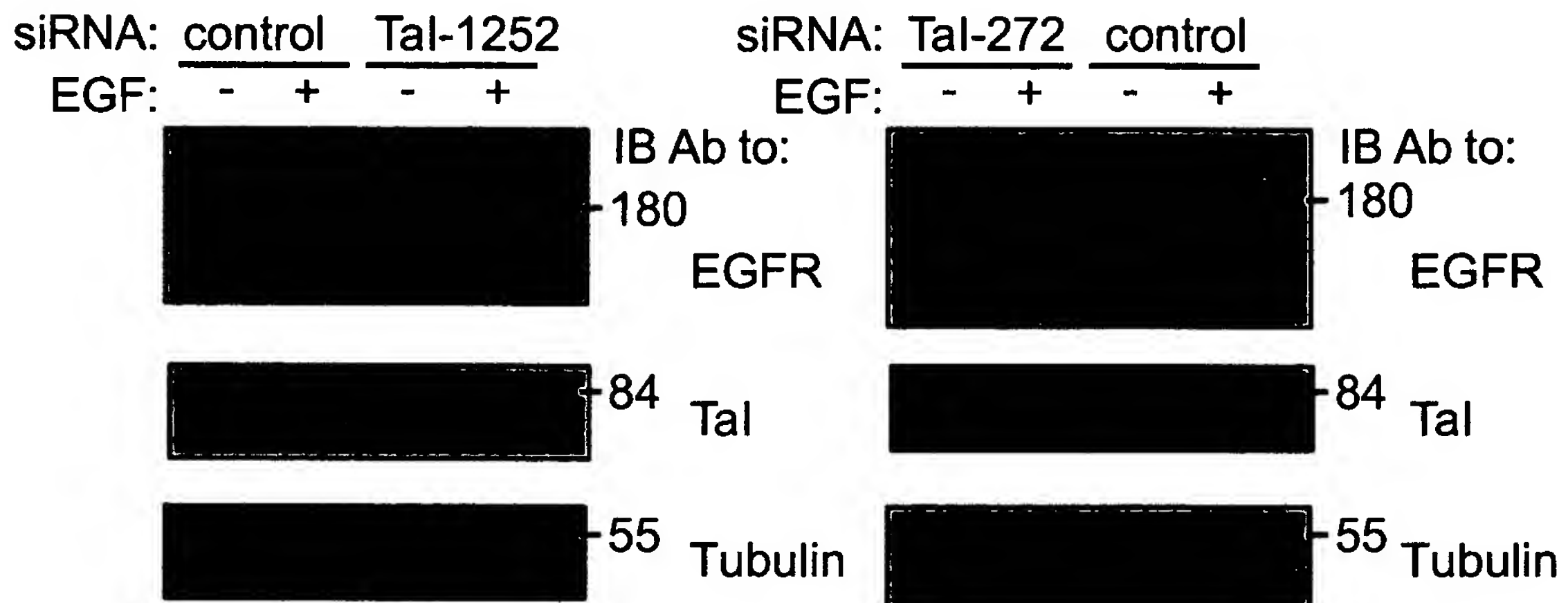


Fig. 8d

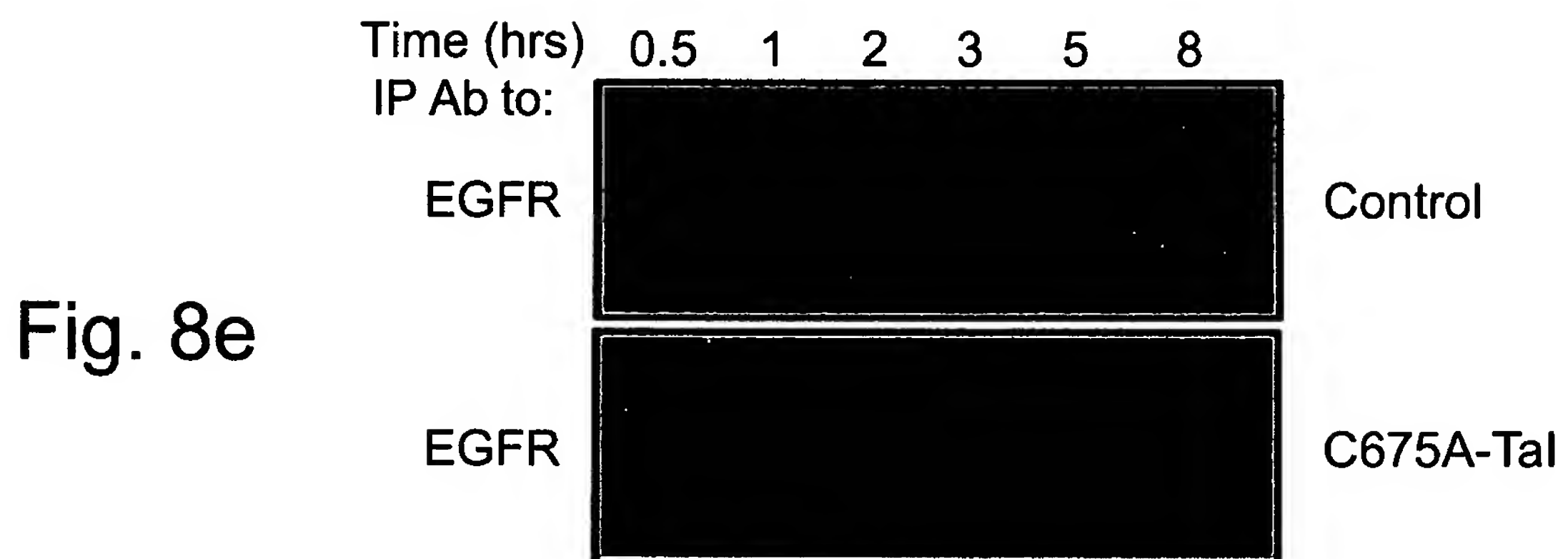
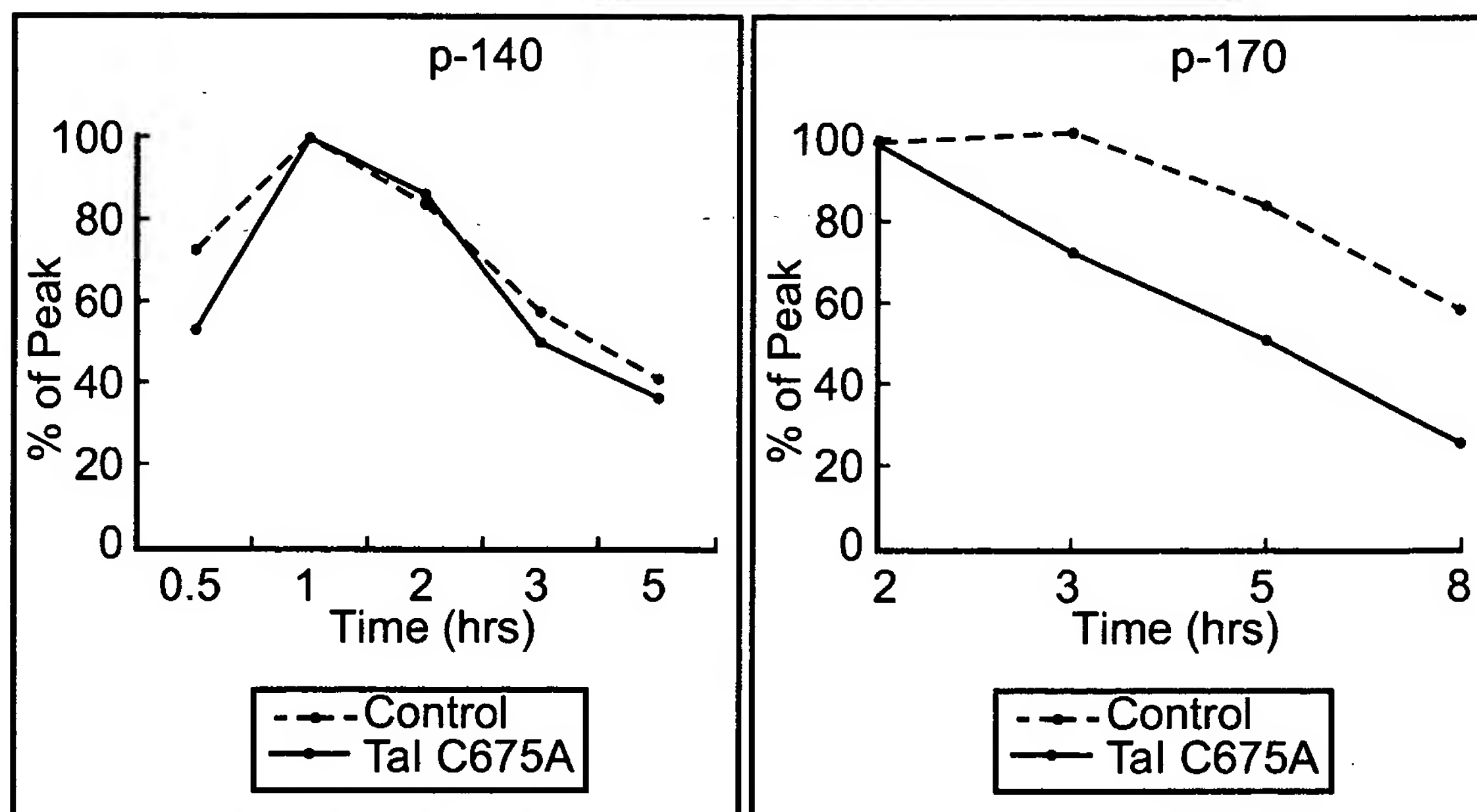


Fig. 8e



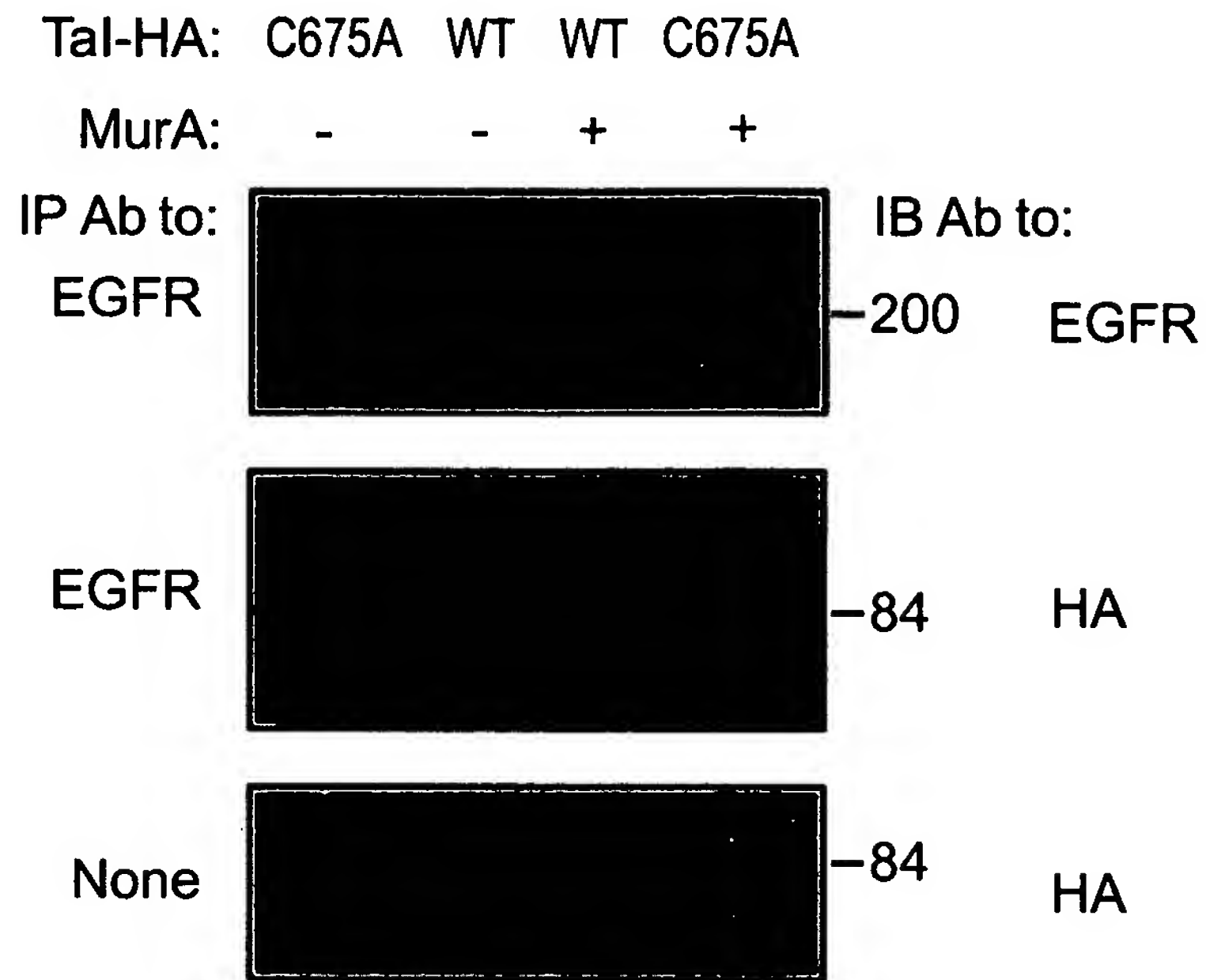


Fig. 8f

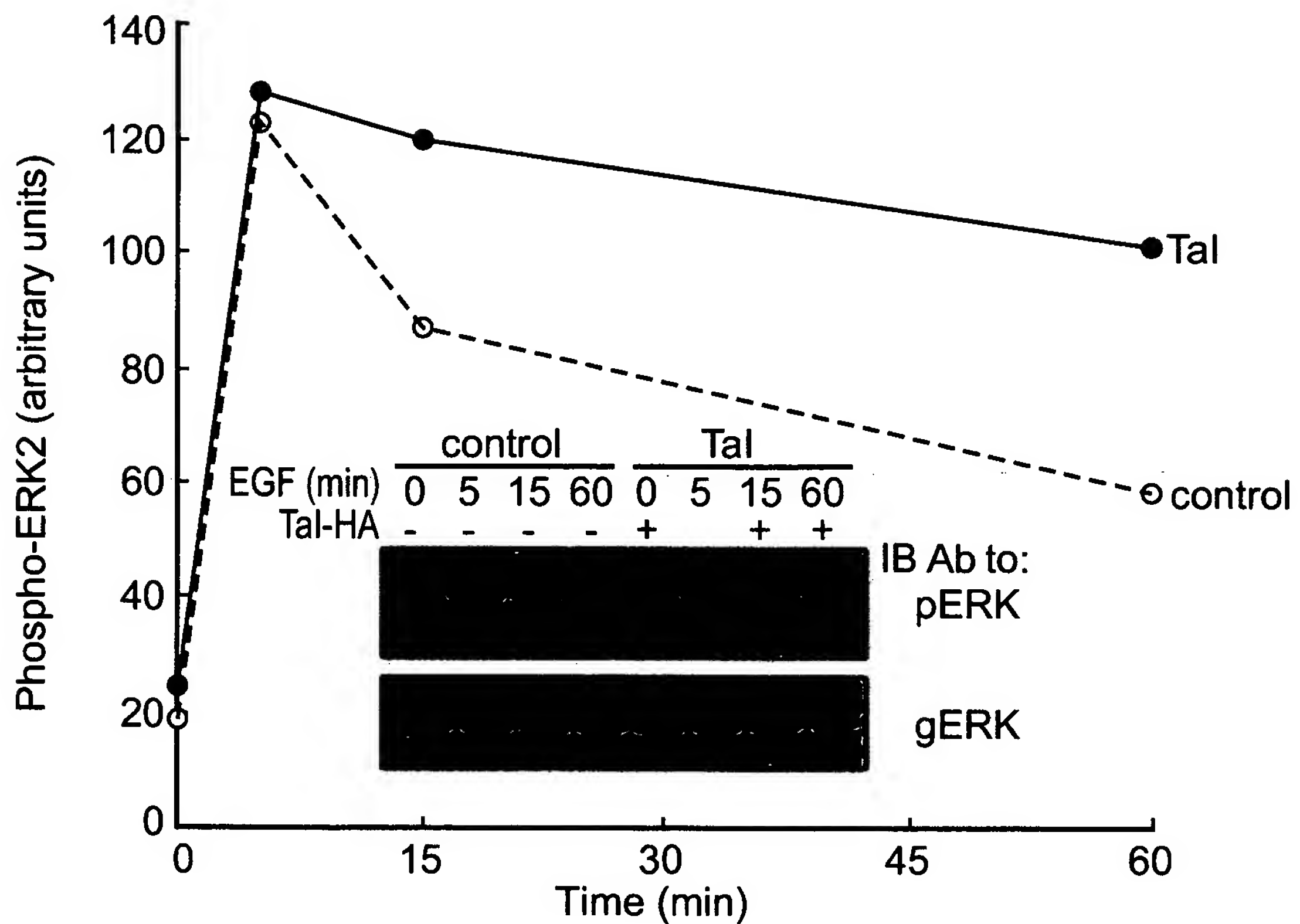


Fig. 8g



SEQ ID No.: 51

**GFP** — **EVVTPTAPQEPPESVRPSAPPAE**

Fig. 9a

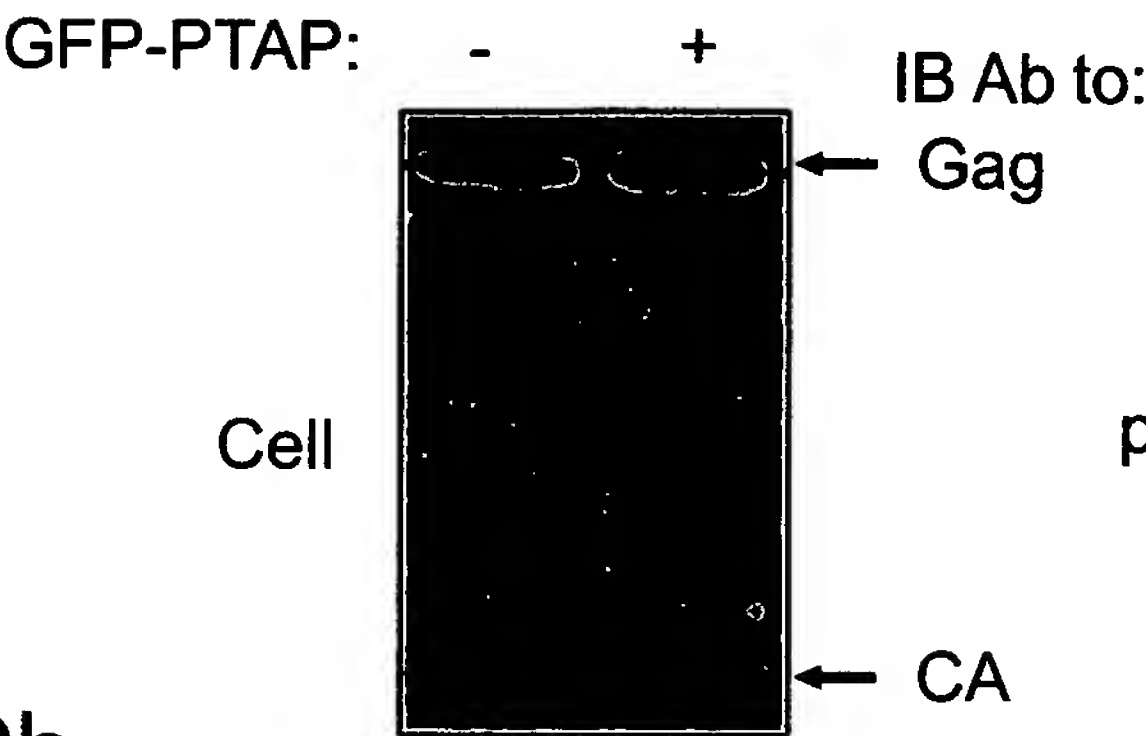


Fig. 9b

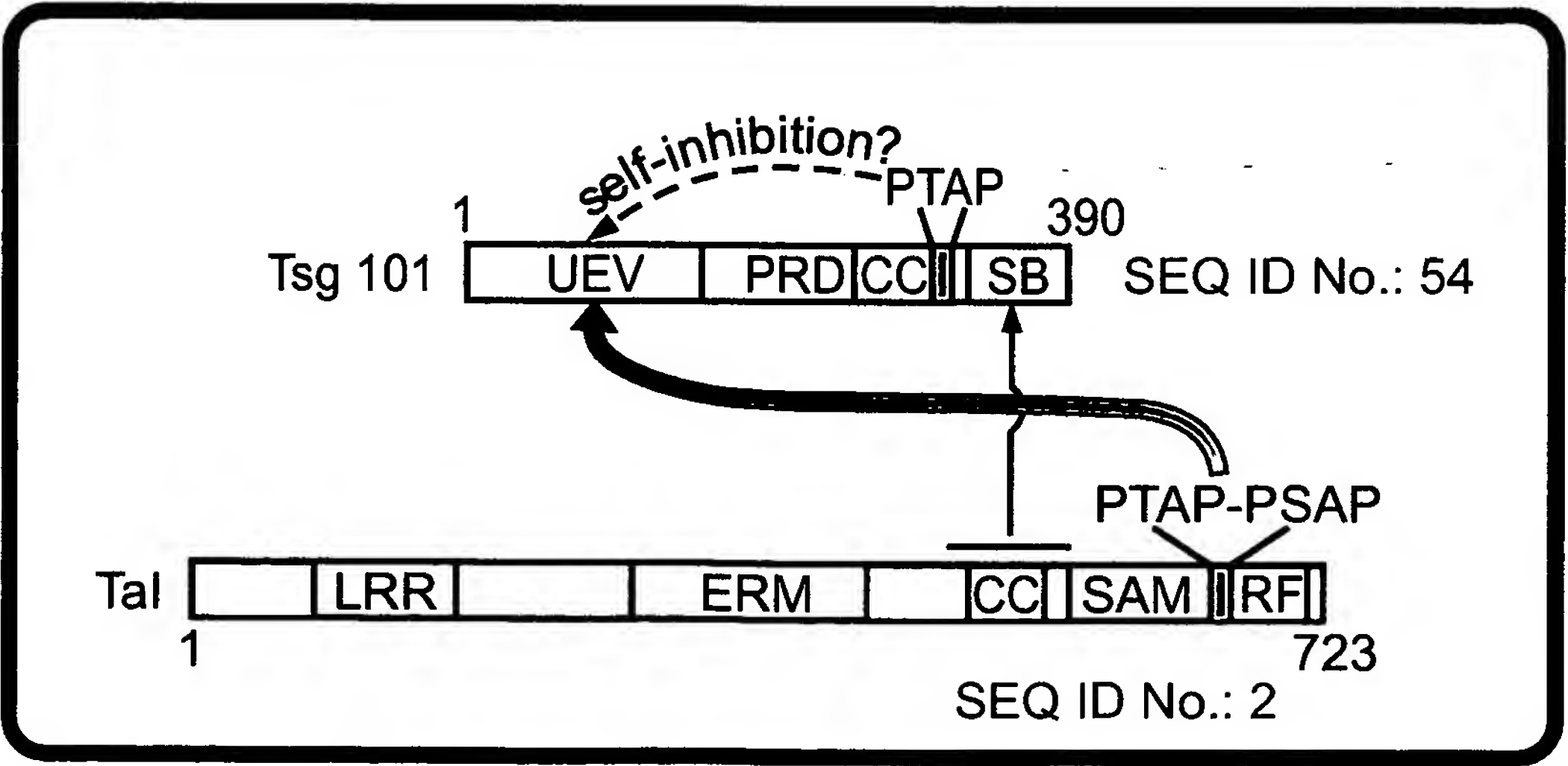
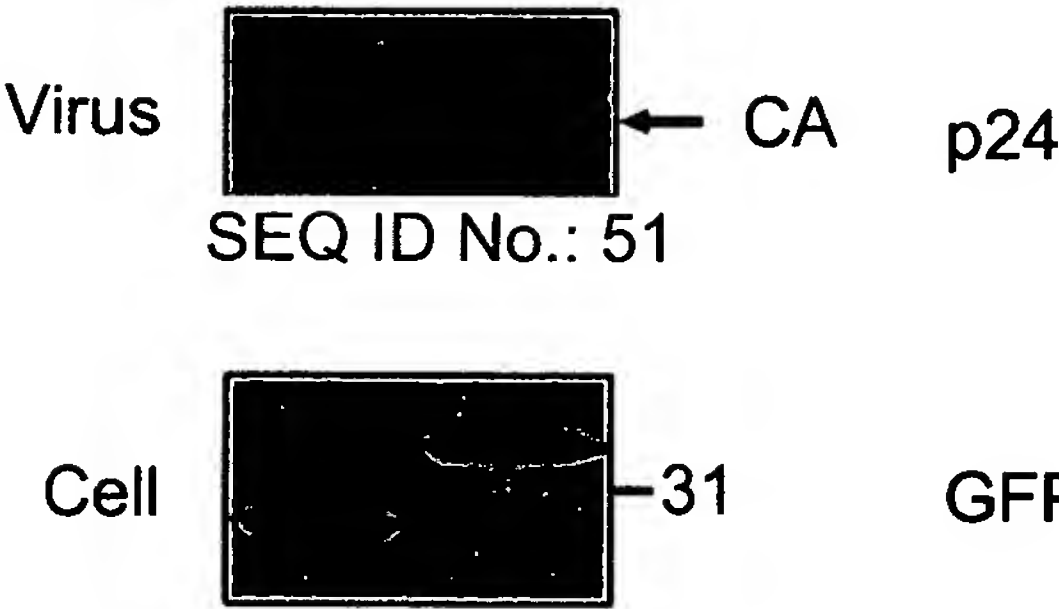


Fig. 10

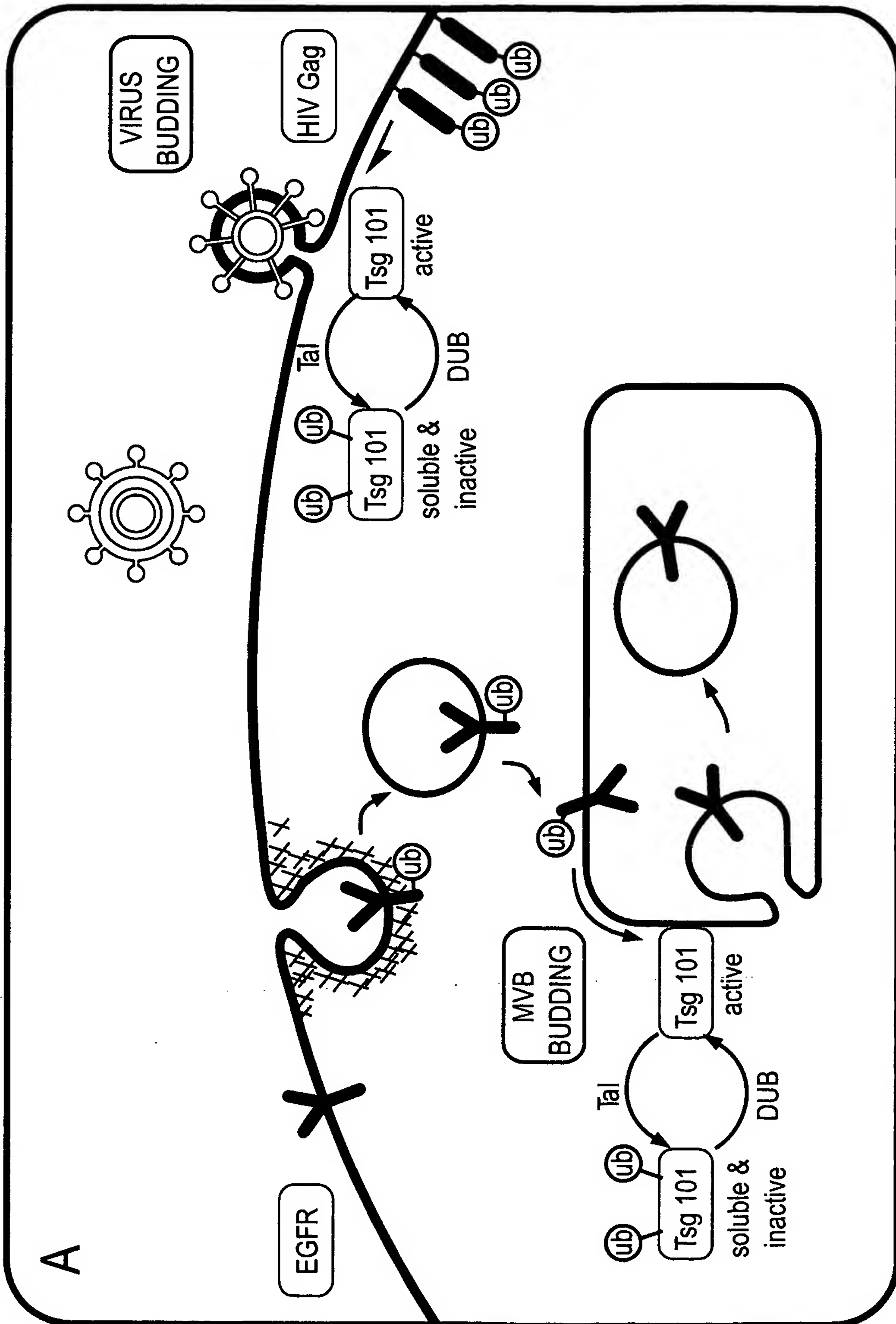


FIG. 11